



Township of North Stormont

Agenda

Regular Meeting

Tuesday, March 11, 2025 6:00 PM

Council Chambers

Page

1. CALL TO ORDER

1.1. You are invited to a Zoom webinar!

When: Mar 11, 2025 06:00 PM Eastern Time (US and Canada)

Topic: Regular Council Meeting

Join from PC, Mac, iPad, or Android:

<https://us06web.zoom.us/j/87807099031?pwd=UTAu0aUq0pbJjqOgKMbAHtCpTREIxR.1>

Passcode:304167

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Webinar ID: 878 0709 9031

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International numbers available: <https://us06web.zoom.us/u/keCI5xJ17P>

BE it resolved that this regular meeting now open at ____ p.m.

2. OPENING REMARKS

3. ADOPTION OF THE AGENDA AMENDMENT(S) ADDITION(S) OR DELETION(S)

3.1. BE it resolved that the agenda be approved as presented.

4. DISCLOSURE OF PECUNIARY INTEREST AND NATURE THEREOF

5. PUBLIC MEETING

6. DELEGATIONS/PRESENTATIONS

7. ADOPTION OF MINUTES OF PREVIOUS MEETING

7.1. BE it resolved that the following minutes be approved as presented:

7 - 15

Special Meeting - February 21 - Minutes
Regular Meeting - February 25 - Minutes
[Special Meeting - 21 Feb 2025 - Minutes](#)
[Regular Meeting - 25 Feb 2025 - Minutes](#)

8. ADOPTION OF MINUTES OF COMMITTEES AND LOCAL BOARDS

- 8.1. **South Nation Conservation Board Minutes** 16 - 25
THAT the Council of the Township of North Stormont accept and approve the following committee minutes as presented:
South Nation Conservation Board Minutes of January 16, 2025
for information purposes.
[SNC Minutes - January 16, 2025](#)

9. RECEIVING OF MONTHLY STAFF REPORTS AND RECOMMENDATIONS

- 9.1. BE it resolved that the following monthly reports be received: 26 - 37
By-Law Enforcement
Building
Fire
Recreation & Facilities
Public Works
CAO
[REPORT - MLEO](#)
[REPORT - BUILDING](#)
[REPORT - FIRE](#)
[REPORT - RECREATION & FACILITIES](#)
[REPORT - PUBLIC WORKS](#)
[REPORT - CAO](#)
- 9.2. **Plan of Subdivision No.01-NS-S-2024 (Blanchard)** 38 - 54
THAT the Council of the Township of North Stormont accepts report 02-2025 from the Planning Department to support Plan of Subdivision Application No.01-NS-S-2024 on the conditions of approval described in Schedule "A" of the Action Request dated March 11, 2025;

AND FURTHER THAT these conditions be forwarded to SDG Counties and the applicant, representing the Township's formal comments on the proposal.
[PD02-2025Plan of Subdivision No.01-NS-S-2024 \(Blanchard\) - Pdf](#)
- 9.3. **2024 Drinking Water Systems Annual Reports** 55 - 102
THAT the Council of the Township of North Stormont receives report 04-2025 from the Public Works Superintendent and accepts the annual report from the Ontario Clean Water Agency for the drinking water systems in Crysler, Finch, and Moose Creek.
[PW04-20252024 Drinking Water Systems Annual Report - Pdf](#)

- 9.4. **Community Improvement Advisory Committee** 103 - 105
 THAT the Council of the Township of North Stormont accepts and approves report 05-2025 from the CAO/Clerk to appoint the following persons to the Community Improvement Advisory Committee for the term of Council:
- (1) Deputy Mayor Steve Densham
 - (2) Councillor Bugelli
 - (3) CAO, Craig Calder
 - (4) CBO, Andre Brisson
 - (5) Connie-Blanchard-Nielsen (Public Member)
- [ADMIN05-2025Community Improvement Advisory Committee - Pdf](#)
- 9.5. **Emergency Management - Volunteer Agreement Extension** 106 - 115
 THAT the Council of the Township of North Stormont receives report 06-2025 from the CAO/Clerk and approve the request, for a one (1) year extension to the emergency management volunteer agreement with Sauvetage Benevole Outaouais Ottawa Volunteer Search & Rescue (SBO-OVSAR).
- [ADMIN06-2025Emergency Management - Volunteer Agreement Extension - Pdf](#)
- 9.6. **Human Resource Policy** 116 - 121
 THAT the Council of the Township of North Stormont receive report 07-2025 from the CAO/Clerk to endorse and approve the changes to the Human Resources Policy as follows:
- Changes specific to sick days by reducing sick days to ten (10) annually, and includes Special Leave. Further, the cessation of annual payout of unused sick time.
- [ADMIN07-2025Human Resource Policy - Pdf](#)
- 9.7. **Shared Service Agreement with SDG Counties** 122 - 134
 THAT the Council of the Township of North Stormont approves report 08-2025 and the attached service level agreement for communication services and economic development from the CAO/Clerk.
- [ADMIN08-2025Shared Service Agreement with SDG Counties - Pdf](#)
- 10. MUNICIPAL BY-LAWS**
- 10.1. **By-Law No. 19-2025 - Road Widening** 135 - 137
 BE it resolved that By-Law No. 19-2025, being a By-law to accept a deed of land and to dedicate the land as a Public Highway, be read a first, second and third time, passed, signed and sealed in Open Council this 11th day of March, 2025.
- [19-2025 - Dedicate Road Widening \(PT LT 21 CON 7; Roxborough\)](#)
- 10.2. **By-Law No. 20-2025 - Amend By-law No. 94-2022 to Appoint** 138

Committee Members

BE it resolved that By-Law No. 20-2025, being a By-law to amend By-Law No. 94-2022 to appoint members to the Community Improvement Advisory Committee for the Township of North Stormont, be read a first, second and third time, passed, signed and sealed in Open Council this 11th day of March, 2025.

[20-2025 - Amend By-law 94-2022 - Appoint CIP Committee](#)

11. CORRESPONDENCE

- | | |
|--|-----------|
| 11.1. Town of Goderich
Eastern Ontario Warden's Caucus (EOWC)
<u>Resolution - Ride Share Services</u>
<u>Ride Share Services - Policy Note</u>
<u>EOWC - Ride Share Services Letter of Support</u> | 139 - 147 |
| 11.2. Eastern Ontario Warden's Caucus
SDG Counties
Township of South Glengarry
<u>Correspondence - Resolution - EOWC Support of Canadian and Ontario Governments Negotiations with the United States Government on Trade Tariffs</u>
<u>Support Resolution - Support for EOWC - Tariffs</u>
<u>Support Resolution - Support for EOWC Tariff Advocacy</u> | 148 - 153 |
| 11.3. Canada Metal Processing Group
Township of Champlain
<u>Announcement - Processing Group Announces Steps for Response of U.S. Tariffs</u>
<u>Resolution - Canada Metal Processing Group US Tariff Threats Steel Sector</u> | 154 - 159 |
| 11.4. Town of LaSalle
<u>Resolution - Tariffs on Canadian Production and Interprovincial Trade Barriers</u> | 160 - 161 |
| 11.5. Township of Coleman
<u>Resolution - Urgent Need for Improvements to Highways 11 and 17</u> | 162 - 166 |
| 11.6. Township of McGarry
<u>Resolution - Amending Building Code Due to Housing Crisis</u> | 167 - 168 |
| 11.7. Autism Ontario
BE it resolved that the correspondence as listed as Items 11.1 to 11.7 on the agenda be received.
<u>Proclamation Request - World Autism Day 2025</u> | 169 |

12. MOTIONS AND NOTICES OF MOTIONS

13. PETITIONS

14. UNFINISHED BUSINESS

- 14.1. **R. V. Anderson Associates Ltd. Crysler, Finch and Moose Creek Water and Wastewater Master Plan - Final Copy** 170 - 366

THAT the Council of the Township of North Stormont reconsiders the original request to receive and accept the final report and appendices for the Villages of Crysler, Finch and Moose Creek Water and Wastewater Master Plan from R.V. Anderson Associates Ltd. as presented at the February 25th regular meeting of Council.

[North Stormont - WW MP - Final with Appendices](#)

- 14.2. **Reserve Transfer for HVAC Repairs and Generator repairs**

THAT the Council of the Township of North Stormont reconsiders the original request to approve the report from the Director of Parks, Recreation and Facilities that was presented at the February 25th regular meeting of Council for a transfer of a maximum of \$6,000 from the Amalgamated Recreation Township reserve to fund two replacement motors on the HVAC system at the Finch Community Centre and allow a transfer from reserve for the parts required for the Crysler Centre generator in the amount of \$2,300.00. Total request from the reserve will be \$8,300.00.

15. NEW BUSINESS

- 15.1. **Council Remuneration for 2024** 367

THAT the Council of the Township of North Stormont accepts the 2024 Treasurer's Statement of Monies Paid to Elected Officials of the Township of North Stormont (remuneration) as presented for information purposes.

[Council Expenses - Treasurer - New Business](#)

16. SCHEDULING OF MEETINGS

- 16.1. **March 25, 2025 - Regular Council Meeting 6:00pm**
April 8, 2025 - Regular Council Meeting 6:00pm

17. COMING EVENTS

18. CLOSING REMARKS OR COUNCIL COMMENTS

19. CLOSED SESSION

20. RATIFICATION/CONFIRMING BY-LAW

- 20.1. **By-Law No. 21-2025 - Ratification** 368

BE it resolved that By-Law No. 21-2025, being a By-law to adopt, confirm and ratify Council's actions at its regular meeting of March 11,

2025, be read a first, second and third time, passed, signed and sealed in Open Council this 11th day of March, 2025.

[21-2025 - Ratify March 11](#)

21. ADJOURNMENT

21.1. BE it resolved that this regular meeting adjourn at ____ p.m.



**Township of North Stormont
MINUTES
Special Meeting
Friday, February 21, 2025
Council Chambers
4:30 PM**

COUNCIL PRESENT: François Landry, Mayor
Steve Densham, Deputy Mayor
Adrian Bugelli, Councillor
Charles Shane, Councillor

COUNCIL ABSENT: Alison McDonald, Councillor

STAFF PRESENT: Craig Calder, CAO/Clerk
Kimberley Goyette, Treasurer

1. CALL TO ORDER (Opening Remarks)

*RES-40-2025 Moved by Councillor Shane, Seconded by Councillor Bugelli
BE it resolved that this special meeting now open at 4:30 p.m.
CARRIED*

2. OPENING REMARKS

3. ADOPTION OF THE AGENDA AMENDMENT(S) ADDITION(S) OR DELETION(S)

*RES-41-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Shane
BE it resolved that the agenda be approved as presented.
CARRIED*

4. DISCLOSURE OF PECUNIARY INTEREST AND NATURE THEREOF

5. CLOSED SESSION

*RES-42-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Bugelli
BE it resolved that this meeting adjourn to a closed session for the following reasons:*

As per Section 239, a meeting or part of a meeting may be closed to the public if the subject matter being considered is,

(e) litigation or potential litigation, including matters before administrative tribunals, affecting the municipality or local board

(c) a proposed or pending acquisition or disposition of land by the municipality or local board

CARRIED

RES-43-2025 Moved by Councillor Bugelli, Seconded by Mayor Landry
BE it resolved that the public session reopens at 5:22 p.m.
CARRIED

6. RATIFICATION/CONFIRMING BY-LAW

RES-44-2025 Moved by Mayor Landry, Seconded by Councillor Shane
BE it resolved that By-Law No. 11-2025, being a By-law to ratify and confirm Council's actions at its special meeting of February 21, 2025, be read a first, second and third time, passed, signed and sealed in Open Council this 21st day of February, 2025.
CARRIED

7. ADJOURNMENT

RES-45-2025 Moved by Councillor Bugelli, Seconded by Councillor Shane
BE it resolved that this special meeting adjourn at 5:22 p.m.
CARRIED

CAO/Clerk

Mayor



**Township of North Stormont
MINUTES
Regular Meeting
Tuesday, February 25, 2025
Council Chambers
6:00 PM**

COUNCIL PRESENT: François Landry, Mayor
Steve Densham, Deputy Mayor
Adrian Bugelli, Councillor
Alison McDonald, Councillor

COUNCIL ABSENT: Charles Shane, Councillor

STAFF PRESENT: Craig Calder, CAO/Clerk
Lea Anne Munro, Deputy Clerk
Melissa Kyer Gardiner, Deputy Treasurer
Blake Henderson, Public Works Superintendent (Zoom)
Nancy-Ann Gauthier, Fire Chief / Municipal Law Enforcement Officer
Pierre Thibault, Director Parks, Recreation and Facilities

OTHERS PRESENT: Rebecca Luck, Director Library Services SDG Counties
Peter Young, Director Planning & Economic Development Services
Trevor Kealey, Regional Manager, RV Anderson (Zoom)
Darika Sharma, Process Designer, RV Anderson (Zoom)

1. CALL TO ORDER

When: Feb 25, 2025 06:00 PM Eastern Time (US and Canada)

Topic: Regular Council Meeting

Join from PC, Mac, iPad, or Android:

<https://us06web.zoom.us/j/89374171626?pwd=PZas6UB3eYz8WRpi5DkkV7RepUMLsZ.1>

Passcode:247658

Phone one-tap:

+15873281099,,89374171626#,,, *247658# Canada

+16473744685,,89374171626#,,, *247658# Canada

Join via audio:

+1 778 907 2071 Canada

+1 780 666 0144 Canada

+1 204 272 7920 Canada

+1 438 809 7799 Canada

Webinar ID: 893 7417 1626

Passcode: 247658

International numbers available: <https://us06web.zoom.us/j/kdhYRgKMkl>

*RES-46-2025 Moved by Councillor Bugelli, Seconded by Councillor McDonald
BE it resolved that this regular meeting now open at 6:02 p.m.
CARRIED*

2. OPENING REMARKS

Councillor Bugelli reminded everyone to exercise their democratic right to vote, to get out and vote this Thursday, February 27, 2025 in the provincial election.

Mayor Landry wanted to recognize the Public Works department for their long hours, and continued commitment to getting the roads and sidewalks cleared after these past two significant snow events. The Mayor also thanked the public for being patient during these past two snow events and noted that final cleanup of roads and sidewalks was to be completed by Wednesday, February 26, 2025 and the significant weather event that was declared would end.

3. ADOPTION OF THE AGENDA amendment(s) addition(s) or deletion(s)

*RES-47-2025 Moved by Councillor McDonald, Seconded by Councillor Bugelli
BE it resolved that the agenda be approved as presented.
CARRIED*

4. DISCLOSURE OF PECUNIARY INTEREST AND NATURE THEREOF

5. PUBLIC MEETING

Zoning Application Z-2025-02 (Mills)

Peter Young, Director of Planning & Economic Development Services from SDG Counties presented Council with a slide presentation and explanation of the zoning amendment request. Mr. Young confirmed that there has been no comments or concerns from the public or agencies to date for this request.

**PUBLIC QUESTIONS/COMMENTS
Zoning By-law Amendment Z-2025-02 (Mills)**

Council Questions/Concerns:

1. Deputy Mayor Densham enquired if there had been changes to the originally approved plan for this property, was the concept changed from the original application request?

Mr. Young confirmed that there had been no major changes to the general concept presented to Council, but the developer had made minor changes to side yard setbacks and lot configuration through the minor variance process.

There were no questions from the public in person or online and the applicant was not present.

6. DELEGATIONS/PRESENTATIONS

Rebecca Luck, Director Library Services SDG Counties SDG Library Services Update

Ms. Luck provided a slide presentation to Council on how the three libraries within North Stormont were doing, provided numbers of visitors to each location and the programs provided. The libraries had a great year, and the programs were well received, some will be returning for the current year while some will see new programs added.

Council thanked Ms. Luck for her presentation and were very happy to hear how the number of patrons had grown over the past year and how the programming has been such a success. There were lots of questions about programs, how to get some more participation from local schools and the potential growth coming in Chrysler along with the increase in demand for space and services.

7. ADOPTION OF MINUTES OF PREVIOUS MEETING

*RES-48-2025 Moved by Councillor McDonald, Seconded by Councillor Bugelli
BE it resolved that the following minutes be approved as presented:
Regular Meeting January 28 - Minutes
CARRIED*

8. ADOPTION OF MINUTES OF COMMITTEES AND LOCAL BOARDS

Township of North Stormont Committee of Adjustment Minutes South Nation Conservation Board Minutes Raisin Region Conservation Authority Board Minutes Raisin Region Conservation Authority Board Highlights

Motion Amended

*RES-49-2025 Moved by Councillor Bugelli, Seconded by Deputy Mayor Densham
THAT the Council of the Township of North Stormont accept and approve the
following committee minutes as presented:
Township of North Stormont Committee of Adjustment Minutes of November
27, 2024
Raisin Region Conservation Authority Board Minutes of January 9, 2025*

Raisin Region Conservation Authority Board Highlights of February 6, 2025 for information purposes.

Amended to add South Nation Conservation Board Minutes of December 12, 2024

CARRIED

9. RECEIVING OF MONTHLY STAFF REPORTS AND RECOMMENDATIONS

*RES-50-2025 Moved by Councillor McDonald, Seconded by Councillor Bugelli
BE it resolved that the following monthly reports be received:*

Planning

By-Law Enforcement

Building

Fire

Recreation & Facilities

Public Works

CAO

CARRIED

Zoning By-law Amendment Z-2025-02 (Mills)

*RES-51-2025 Moved by Councillor McDonald, Seconded by Councillor Bugelli
THAT the Council of the Township of North Stormont receives the Planning Report to change the zoning of 1 William Street, Finch, in the Township of North Stormont and approves the recommended changes therein from Residential First Density (R1) to Residential Second Density - Special exception 30 (R2-30) to allow for a semi-detached dwelling with secondary units.*

CARRIED

North Stormont Hall Rental Policy

*RES-52-2025 Moved by Councillor McDonald, Seconded by Deputy Mayor Densham
THAT the Council of the Township of North Stormont approves the new draft hall rental policy as submitted by the Director of Parks, Recreation and Facilities along with Schedule's B and C of the policy to be passed by By-law at a future meeting.*

CARRIED

Reserve Transfer for HVAC Repairs and Generator repairs

*RES-53-2025 Moved by Councillor Bugelli, Seconded by Deputy Mayor Densham
THAT the Council of the Township of North Stormont approves the report from the Director of Parks, Recreation and Facilities for a transfer of a maximum of \$6,000 from the Amalgamated Recreation Township reserve to fund two replacement motors on the HVAC system at the Finch Community Centre and allow a transfer from reserve for the parts required for the Chrysler Centre*

generator in the amount of \$2,300.00. Total request from the reserve will be \$8,300.00.

DEFERRED

Request for in-kind contribution

RES-54-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Bugelli
THAT the Council of the Township of North Stormont approves the report from the Director of Parks, Recreation and Facilities for an in-kind contribution from the Roads Department for the excavation of the new play structure at the John Crysler Park in Crysler to reduce costs to \$4,000 which will be reimbursed to the Township.

CARRIED

Request for exemption from By-Law 34-2017 - 14835 Concession 1-2 Rd

RES-55-2025 Moved by Deputy Mayor Densham, Seconded by Councillor McDonald
THAT the Council of the Township of North Stormont receives and approves the request from the Public Works Superintendent to install two new entranceways, joined to create a horseshoe-shaped driveway, at 14835 Concession 1-2 Road and the applicant be exempt from By-Law No. 34-2017.

CARRIED

Transfers to and from Reserves 2024

RES-56-2025 Moved by Councillor McDonald, Seconded by Deputy Mayor Densham
THAT the Council of the Township of North Stormont approves the report from the Treasurer for the following transfers to and from reserves that are different than the budgeted approved amounts:

1-3-3000-0990	\$ 63,865.83	Transfer from CCBF (Gas Tax) Reserve
1-3-3000-0750	\$1,036,798.92	Transfer from EDP End User Agreement
1-3-3000-0990	\$ 0	Transfer from Roads Reserve
1-3-7090-0990	\$ 17,250.00	Transfer from Amalgamated Recreation Township Reserve
1-4-1055-9900	\$ 92,323.00	Transfer to Capital Expenditures Reserve
1-4-2150-9900	\$ 34,374.00	Transfer to the CBO Reserve
1-4-7070-9900	\$ 6,000.00	Transfer to Amalgamated Recreation Township Reserve
1-4-7030-9900	\$ 11,600.00	Transfer to Amalgamated Recreation Township Reserve
1-4-8000-9900	\$ 12,000.00	Transfer to Parkland Reserve

CARRIED

Human Resources Policy

*RES-57-2025 Moved by Deputy Mayor Densham, Seconded by Councillor McDonald
THAT the Council of the Township of North Stormont endorse, and approve,
the change to the Human Resources Policy (07-2024) as follows and permit
finance to complete retroactive compensation for 2024/2025 to effected
employees.*

Remove the term "full-time" from Section 12.9.

CARRIED

10. MUNICIPAL BY-LAWS

By-Law No. 12-2025 - Tax Rates

*RES-58-2025 Moved by Councillor McDonald, Seconded by Deputy Mayor Densham
BE it resolved that By-Law No. 12-2025, being a By-law to levy and adopt the
2025 tax rates, be read a first, second and third time, passed, signed and
sealed in Open Council this 25th day of February, 2025.*

CARRIED

By-Law No. 13-2025 - Zoning By-law Amendment (Mills)

*RES-59-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Bugelli
BE it resolved that By-Law 13-2025, being a By-Law to change the zoning of
certain lands in the Township of North Stormont and amend the
comprehensive zoning By-law 08-2014 from "Residential First Density (R1) to
"Residential Second Density - Special Exception 30 (R2-30)", be read a first,
second, and third time, passed, signed and sealed in Open Council this 25th
day of February, 2025.*

CARRIED

11. CORRESPONDENCE

*RES-60-2025 Moved by Councillor Bugelli, Seconded by Deputy Mayor Densham
BE it resolved that the correspondence as listed as Items 11.1 to 11.8 on the
agenda be received.*

CARRIED

12. MOTIONS AND NOTICES OF MOTIONS

13. PETITIONS

14. UNFINISHED BUSINESS

R. V. Anderson Associates Ltd.

Crysler, Finch and Moose Creek Water and Wastewater Master Plan - Final Report

RES-61-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Bugelli
THAT the Council of the Township of North Stormont receive and accept the final report and appendices for the Villages of Chrysler, Finch and Moose Creek Water and Wastewater Master Plan from R.V. Anderson Associates Ltd as presented.
DEFERRED

15. NEW BUSINESS

16. SCHEDULING OF MEETINGS

March 4, 2025 - Special Council Meeting 6:00pm (Moose Creek Community Hall)

March 7, 2025 - Committee of Adjustment 8:30am (New Office - 57 Cockburn St)

March 11, 2025 - Regular Council Meeting 6:00pm

March 25, 2025 - Regular Council Meeting 6:00pm

17. COMING EVENTS

18. CLOSING REMARKS OR COUNCIL COMMENTS

19. CLOSED SESSION

20. RATIFICATION/CONFIRMING BY-LAW

By-Law No. 14-2025 - Ratification

RES-62-2025 Moved by Councillor Bugelli, Seconded by Deputy Mayor Densham
BE it resolved that By-Law No. 14-2025, being a By-law to adopt, confirm and ratify Council's actions at its regular meeting of February 25, 2025, be read a first, second and third time, passed, signed and sealed in Open Council this 25th day of February, 2025.
CARRIED

21. ADJOURNMENT

RES-63-2025 Moved by Deputy Mayor Densham, Seconded by Councillor Bugelli
BE it resolved that this regular meeting adjourn at 8:02 p.m.
CARRIED

CAO/Clerk

Mayor



BOARD OF DIRECTORS MEETING

Meeting No. 01/25
Thursday, January 16th, 2025 – 9:00 a.m.

Watershed Room, SNC



Directors Present:

Steve Densham, Stormont Dundas Glengarry, Chair
George Darouze, City of Ottawa, Past Chair (*electronic participation*)
Catherine Kitts, City of Ottawa (*electronic participation*)
Mathew Luloff, City of Ottawa (*electronic participation*)
Linda Payant, City of Ottawa
Bill Smirle, Stormont Dundas Glengarry
Tom Smyth, Stormont Dundas Glengarry
François St. Amour, Prescott Russell
Mike Tarnowski, Prescott Russell
Deb Wilson, Leeds Grenville (*electronic participation*)
Adrian Wynands, Leeds Grenville, Vice Chair

Regrets:

Genevieve Lajoie, Prescott Russell

Staff Present:

Carl Bickerdike, Chief Administrative Officer
Johanna Barkley, Director of Finance
Ronda Boutz, Secretary-Treasurer
Jen Boyer, Managing Director, Approvals
James Holland, Senior Planner
Hannah Jackson, Accounting and Human Resources Specialist
John Mesman, Managing Director, Property, Conservation Lands and Community Outreach
Eric McGill, Corporate Counsel
Gregory Payne, Permitting Officer
Pat Piitz, Team Lead, Property
Marieh Rajaie, Water Resource Specialist - Engineering
Monique Sauve, Chief Building Official

Guests:

Alison McDonald, General Manager, Raisin Region Conservation Authority



SOUTH NATION
CONSERVATION
DE LA NATION SUD

TRADITIONAL LAND ACKNOWLEDGEMENT

John Mesman, Managing Director, Property, Conservation Lands, and Community Outreach read an Indigenous land acknowledgement.

CHAIRS REMARKS

Steve Densham, Chair, called the SNC Board of Directors meeting of January 16th, 2025 to order at 9:00 a.m.

APPROVAL OF SNC BOARD OF DIRECTORS MEETING AGENDA AND SUPPLEMENTAL AGENDA

RESOLUTION NO. BD-001/25

Moved by: Mike Tarnowski
Seconded by: Bill Smirle

RESOLVED THAT:

The Members approve the January 16th, 2025 main and supplemental agendas with the following amendment:

- Hand out Report "Request for Approval: Quaile Creek Hazard Mapping Study Two-Dimensional Modeling Contract" be added to the Supplemental Agenda as item #1. d.

CARRIED

DECLARATION OF CONFLICT OF INTEREST

None

CLOSED SESSION

RESOLUTUION NO. BD-002/25

Moved by: Adrian Wynands
Seconded by: François St. Amour

RESOLVED THAT:

The Board of Directors meeting move into Closed Session for the following report:

- a. Board of Directors Training, Stop Order Hearings (Verbal): Warren A. Leroy, Ault & Ault LLP.

CARRIED

Catherine Kitts joined the meeting virtually at 9:08 a.m.



SOUTH NATION
CONSERVATION
DE LA NATION SUD

OPEN SESSION

RESOLUTION NO. BD-003/25

Moved by: Mike Tarnowski
Seconded by: Linda Payant

RESOLVED THAT:

The Board of Directors move into Open Session.

CARRIED

BOARD OF DIRECTORS TRAINING: STOP ORDER HEARINGS (VERBAL)

Warren A. Leroy, Ault & Ault LLP provided the Board of Directors with training on Stop Order Hearings.

ADJOURNMENT

RESOLUTION NO. BD-004/25

Moved by: Bill Smirle
Seconded by: François St. Amour

RESOLVED THAT:

The Board of Directors Meeting of January 16th, 2025 be adjourned at 9:37 a.m.

CARRIED

CALL TO ORDER

Chair Densham reconvened the Board of Directors the meeting at 11:17 a.m.

Catherine Kitts, Matt Luloff, and Deb Wilson were regrets for the reconvened meeting. George Darouze joined the meeting virtually at 11:17 a.m.

REQUEST FOR APPROVAL:

A. BOARD OF DIRECTORS MEETING MINUTES OF DECEMBER 12TH, 2024

RESOLUTION NO. BD-005/25

Moved by: Mike Tarnowski
Seconded by: François St. Amour

RESOLVED THAT:

The Members approve the Board of Directors Meeting Minutes of December 12th, 2024 as submitted.

CARRIED



B. SNC COMMITTEE MEETING HIGHLIGHTS AND MINUTES OF:

i. Joint Occupational Health and Safety Committee meeting of December 11th, 2024.

RESOLUTION NO. BD-006/25

Moved by: Adrian Wynands
Seconded by: Linda Payant

RESOLVED THAT:

The Board of Directors approve the actions and recommendations of the following Committee meeting:

- i. Joint Occupational Health and Safety Committee meeting minutes of December 11th, 2024.

CARRIED

NEW BUSINESS

REQUEST FOR APPROVAL: 2025 LEVY SCHEDULE AND BUDGET

RESOLUTION NO. BD-007/25

Moved by: Adrian Wynands
Seconded by: Bill Smirle

RESOLVED THAT:

The Board of Directors approve the 2025 General and Capital Levies at \$4,836,678; and

FURTHER THAT:

The City of Ottawa be special levied for the following programs in 2025:

1. Ottawa Rural Clean Water Program: \$200,000.
2. Ottawa Tree Replacement Program: \$200,000.
3. Eastern Ontario Water Resources Program: \$50,000.
4. Ottawa Baseline Monitoring Program: \$47,000.

AND FURTHER THAT: the Board of Directors approve the 2025 Budget as presented.

Roll Call Vote:

Steve Densham

Yea

Nay

George Darouze

X

X

Catherine Kitts Regrets

Genevieve Lajoie Regrets

Mathew Luloff Regrets

Linda Payant

X

Bill Smirle

X

Tom Smyth

X

François St. Amour

X

Mike Tarnowski

X

Deb Wilson Regrets

Adrian Wynands

X

Totals:

8

0

CARRIED



SOUTH NATION
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REQUEST FOR APPROVAL: ANNUAL AUTHORITY APPROVALS

RESOLUTION NO. BD-008/25

Moved by: Adrian Wynands

Seconded by: Mike Tarnowski

RESOLVED THAT:

WHEREAS the SNC Administrative By-laws designate signing officers for the Authority (s30.1 and 30.2); and

WHEREAS for banking purposes, the Authority's signing officers are one of: Chair; Vice-Chair; or Past Chair; and one of: Chief Administrative Officer, Secretary-Treasurer; or Director of Finance

BE IT RESOLVED THAT:

The signing officers are authorized to borrow up to \$1,000,000 for the operation of the South Nation River Conservation Authority, if required:

1. The signing officers are authorized to borrow up to \$1,000,000 for the operation of the South Nation River Conservation Authority, if required.
2. Staff be authorized to continue the use of alternative signatures, such as the signature stamp for signing cheques up to \$25,000, or other limits requested by the Board of Directors, or any other electronic signatures introduced in conjunction with our accounting software. These tools are in the custody of the Director of Finance. The Director may delegate the use of these tools to his/her delegate.
3. Staff continue to utilize various banking features to make payments more cost efficient for SNC, for example: the use of internet banking, electronic fund transfer (EFT) and/or other electronic means. All payments are presented regularly to the Board of Directors for approval in the 'Monies Received and Disbursement Register for the period'.
4. The Royal Bank, Winchester Branch, be the Authority Bank and that signing officers execute the banking services contract; and



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AND FURTHER THAT:

The Chartered Accountants Firm of Baker Tilly REO LLP, Winchester, be appointed Auditors at an approximate cost of \$35,000 plus HST; and

FURTEHR THAT:

The Director of Finance, or delegate, is authorized to all payments relating to payroll and payroll taxes; and

FURTHER THAT:

The law firm of Ault & Ault LLP, Winchester, be appointed as solicitor for general Authority business, and that Emond Harnden, Ottawa, be appointed the Authority's Human Resource legal counsel, at a total approximate cost of \$20,000 plus HST. Where in the best interest of the Authority, staff may engage other specialized legal services.

CARRIED

George Darouze left the meeting at 11:37 a.m.

REQUEST FOR APPROVAL: PROVINCIAL OFFENSES OFFICER APPOINTMENTS

RESOLUTION NO. BD-009/25

Moved by: Mike Tarnowski
Seconded by: Bill Smirle

RESOLVED THAT:

The Board of Directors appoint the following staff as provincial offences officers in accordance with section 30.1 of the *Conservation Authorities Act* for the purposes of ensuring compliance with the Act and the regulations:

- Gregory Payne, Permitting Officer; and
- Monique Sauve, Chief Building Official
Part 8 – Septic Systems.

AND FURTHER THAT:

The Board of Directors revoke the appointments of the following provincial offences officers who were appointed in accordance with Section 30.1 of the *Conservation Authorities Act* (BD-062/24):

- Sandra Mancini, Managing Director,
Natural Hazards and Infrastructure;
- James Holland, Senior Planner;



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- Eric McGill, Corporate Counsel; and
- Laura Crites, Environmental Planner.

CARRIED

**REQUEST FOR APPROVAL: MONIES RECEIVED AND DISBURSEMENT REGISTER
FOR DECEMBER 2024**

RESOLUTION NO. BD-010/25

Moved by: Mike Tarnowski
Seconded by: Linda Payant

RESOLVED THAT:

The Board of Directors receive and file the money received report for December 2024; and

FURTHER THAT:

The Board approve the Disbursement Register of \$901,867.99 for December 2024.

CARRIED

UPDATE: PLANNING ACTIVITY

RESOLUTION NO. BD-011/25

Moved by: Tom Smyth
Seconded by: François St. Amour

RESOLVED THAT:

The Board of Directors receive and file the Planning Activity update for December 2024.

CARRIED

UPDATE: SECTION 28.1 PERMITS ISSUED

RESOLUTION NO. BD-012/25

Moved by: Mike Tarnowski
Seconded by: Tom Smyth

RESOLVED THAT:

The Board of Directors receive and file the update on permits issued under Section 28.1 of the Conservation Authorities Act for December 2024.

CARRIED



UPDATE: ENFORCEMENT OF PARTS VI AND VII OF THE ACT

RESOLUTION NO. BD-013/25

Moved by: Adrian Wynands
Seconded by: Mike Tarnowski

RESOLVED THAT:

The Board of Directors receive and file the update on reported *Conservation Authorities Act* regulation concerns received in the month of December 2024.

CARRIED

UPDATE: ON-SITE SEWAGE PERMITS RECEIVED

RESOLUTION NO. BD-014/25

Moved by: Mike Tarnowski
Seconded by: François St. Amour

RESOLVED THAT:

The Board of Directors receive and file the on-site sewage permits received update for December 2024.

CARRIED

SUPPLEMENTAL AGENDA

REQUEST FOR APPROVAL: 2025 CONSERVATION ONTARIO LEVY

RESOLUTION NO. BD-015/25

Moved by: Adrian Wynands
Seconded by: Mike Tarnowski

RESOLVED THAT:

The Board of Directors approve the payment of the 2025 Conservation Ontario Levy of \$45,010, payable in two installments of \$22,505.

CARRIED

UPDATE: PROVINCIAL CHANGES UNDER THE CONSERVATION AUTHORITIES ACT

RESOLUTION NO. BD-016/25

Moved by: Mike Tarnowski
Seconded by: François St. Amour

RESOLVED THAT:

The Board of Directors receive and file the Provincial Changes under the *Conservation Authorities Act*; and

FURTHER THAT:

The Board of Directors send a letter to the Minister of Natural Resources expressing concerns related to the extension of the freeze on fees for any program or



service related to reviewing and commenting on planning and development related proposals or land use planning policies, or for permits issued by conservation authorities.

CARRIED

UPDATE 2024 TECHNICAL REVIEWS

RESOLUTION NO. BD-017/25

Moved by: François St. Amour
Seconded by: Linda Payant

RESOLVED THAT:

The Board of Directors receive and file the 2024 Technical Reviews update as of December 2024.

CARRIED

**REQUEST FOR APPROVAL: QUAILE CREEK HAZARD MAPPING STUDY TWO
DIMENSIONAL MODELING CONTRACT**

RESOLUTION NO. BD-018/25

Moved by: Adrian Wynands
Seconded by: Mike Tarnowski

RESOLVED THAT:

The Board of Directors approve retaining consultant A to complete the Quaille Creek Hazard Mapping Study two-dimensional modeling at an approximate cost of \$26,918 plus HST.

CARRIED

CORRESPONDENCE

- a. Ministry of Natural Resources Letter: Extension of Minister's direction for conservation Authorities regarding fee changes associated with planning, development, and permitting fees.
- b. AMO policy Update (excerpt): Key Messages for Conservation Authority Fees
- c. Dundas County Hospice Letter

DATES OF UCOMING MEETINGS, THIRD THURSDAY, AT 9:00 A.M.

- February 20th, 2025
- March 20th, 2025 (Annual General Meeting)
- April 17th, 2025 (OGRA March 30 – April 2)
- May 15th, 2025
- June 19th, 2025



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FUTURE MOTIONS OF THE BOARD AND/OR DISCUSSION OF SNC ISSUES

None.

SNC PROJECT UPDATE – POWERPOINT PRESENTATION

Staff presented project and program updates.

ADJOURNMENT

RESOLUTION NO. BD-019/25

Moved by: François St. Amour

Seconded by: Adrian Wynands

RESOLVED THAT:

The Board of Directors Meeting of January 16th,
2025 be adjourned at 12:15 p.m.

CARRIED

Steve Densham,
Chair.

Carl Bickerdike,
Chief Administrative Officer.

/rb



Monthly Activity Summary

Municipal Law Enforcement Department

February 2025

Work completed:

- Following up on existing complaints and their resolution.
- Respond to multiple inquiries regarding various by-laws and write response to complainer.
- Attended Webinars various Zoom Meetings.
- Attendance at Council Meetings.
- Maintain Audio Visual Council Equipment.
- Preparation of Various reports for Management and council.
- Open Air permits issued 40 to February 28, 2025.
- Accessibility Review and update. On going.
- Review and amend existing by-laws.

Work in Progress:

- Following up on existing complaints and their resolution.
- Write notices for new complaints with follow-up visits.
- Attendance at Council meeting, and special council meeting as required.
- Attendance of Senior Management weekly meeting.
- Review and balance MLEO budget and continue monitoring.
- Issuance of Open-Air Permits, ongoing.
- Inspection of kennels. On going when required.
- Attend various Webinars and Training.
- Prepare and review various reports.
- Working on Complaint reporting as per Council request. Anticipated start date January for February Reporting.
- Participant in Document Management Platform Review.

Nancy-Ann Gauthier,
Municipal Law Enforcement Officer

Monthly Activity Summary
February 2025

Department Occurrence Count Summary

February 1 to February 28th, 2025

Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
By-Law Department	Clean Yard	2	0	0	0	0	0	0	0	0	1	0
By-Law Department	Dogs Off Leash/Loose	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Fire Hydrant	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Poop & Scoop	0	0	0	0	0	0	0	0	0	0	1
By-Law Department	Property Standards Unkempt Property Report	0	0	0	0	0	0	0	0	0	0	1
By-Law Department	Wild Animal	1	0	0	0	0	0	0	0	0	0	0
Total Counts		5	0	0	0	0	0	0	0	0	1	2
Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
Public Works	Clogged storm sewer	1	0	0	0	0	0	0	0	0	1	0
Public Works	Concern with snow removal	14	0	0	0	0	0	0	0	0	10	3
Public Works	Damage Mailbox	10	0	0	0	0	0	0	0	0	9	3
Public Works	Damaged Sign	2	0	0	0	0	0	0	0	0	2	1
Public Works	Emterra Recycling	19	0	0	0	0	0	0	0	0	17	17
Public Works	Landscaping	1	0	0	0	0	0	0	0	0	0	1
Public Works	Recycle and Garbage	10	0	0	0	0	0	0	0	0	9	7
Public Works	Road Issue	1	0	0	0	0	0	0	0	0	1	0
Public Works	Road may have missed being cleared	3	0	0	0	0	0	0	0	0	3	2
Public Works	Sinkhole/pothole in road	1	0	0	0	0	0	0	0	0	1	0
Public Works	Snowy or icy sidewalk	4	0	0	0	0	0	0	0	0	3	3
Total Counts		66	0	0	0	0	0	0	0	0	56	37
Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
Buildings/Planning	Building - Civic Post	0	0	0	0	0	0	0	0	0	0	1
Total Counts		0	0	0	0	0	0	0	0	0	0	1

Department Occurrence Count Summary

January 1 to February 28th, 2025

Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
By-Law Department	Barking	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Clean Yard	3	0	0	0	0	0	0	0	0	1	1
By-Law Department	Dogs Off Leash/Loose	2	0	0	0	0	0	0	0	0	0	1
By-Law Department	Fire Hydrant	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Inquiry	5	0	0	0	0	0	0	0	0	0	4
By-Law Department	Noise	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Noise before 7AM	0	0	0	0	0	0	0	0	0	0	1
By-Law Department	Open Air Fire	1	0	0	0	0	0	0	0	0	0	1
By-Law Department	Poop & Scoop	0	0	0	0	0	0	0	0	0	0	1
By-Law Department	Property Standards Unkempt Property Report	0	0	0	0	0	0	0	0	0	0	1
By-Law Department	Wild Animal	1	0	0	0	0	0	0	0	0	0	0
By-Law Department	Zoning	1	0	0	0	0	0	0	0	0	0	0
Total Counts		27	0	0	0	0	0	0	0	0	5	15
Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
Public Works	Broken or uneven sidewalk	1	0	0	0	0	0	0	0	0	0	0
Public Works	Clogged storm sewer	1	0	0	0	0	0	0	0	0	1	0
Public Works	Concern with snow removal	17	0	0	0	0	0	0	0	0	13	4
Public Works	Damage Mailbox	19	0	0	0	0	0	0	0	0	17	6
Public Works	Damaged Sign	4	0	0	0	0	0	0	0	0	4	4
Public Works	Dead animal on road (i.e. deer, raccoon)	1	0	0	0	0	0	0	0	0	1	1
Public Works	Emterra Recycling	69	0	0	0	0	0	0	0	0	58	67
Public Works	Landscaping	2	0	0	0	0	0	0	0	0	1	1
Public Works	Recycle and Garbage	31	0	0	0	0	0	0	0	0	22	27
Public Works	Road Issue	1	0	0	0	0	0	0	0	0	1	0
Public Works	Road may have missed being cleared	3	0	0	0	0	0	0	0	0	3	2
Public Works	Sinkhole/pothole in road	1	0	0	0	0	0	0	0	0	1	1
Public Works	Snowy or icy sidewalk	4	0	0	0	0	0	0	0	0	3	4
Public Works	Street light is out or flickers	1	0	0	0	0	0	0	0	0	1	1
Public Works	Yard Waste	3	0	0	0	0	0	0	0	0	0	3
Total Counts		158	0	0	0	0	0	0	0	0	126	121
Department	Occurrence Type	Occ Opened	Permit	Court	POT	Impounded	Licence	Warning	Tag	Ticket	Complaint	Occ Closed
Buildings/Planning	Building - Accessory Storage Building	3	0	0	0	0	0	0	0	0	0	0
Buildings/Planning	Building - Building Permit Application	11	0	0	0	0	0	0	0	0	1	8
Buildings/Planning	Building - Civic Post	4	0	0	0	0	0	0	0	0	2	1
Buildings/Planning	Building - Illegal Structure	1	0	0	0	0	0	0	0	0	0	0
Buildings/Planning	Building - Inspections	2	0	0	0	0	0	0	0	0	0	2
Buildings/Planning	Building - Mapping	3	0	0	0	0	0	0	0	0	1	3
Buildings/Planning	Building - Sign	1	0	0	0	0	0	0	0	0	0	0
Buildings/Planning	Building - Water	2	0	0	0	0	0	0	0	0	1	1
Total Counts		16	0	0	0	0	0	0	0	0	1	10



BUILDING PERMIT REPORT 2025

BUILDING PERMIT REPORT FOR THE MONTH OF FEBRUARY 2025					BUILDING PERMIT YEAR				
TYPE OF BUILDING	TOTAL PERMIT	TOTAL UNITS	CONSTRUCTION VALUE	PERMIT VALUE	TOTAL PERMITS	TOTAL UNITS	CONSTRUCTION VALUE	PERMIT VALUE	PERMIT REVENUE RECEIVED
2024 BUILDING PERMIT REVENUE RECEIVED IN 2025									\$ 5,579.61
<i>Single Family Dwelling</i>	1	1	\$ 400,000.00	\$ 2,925.02	1	1	\$ 400,000.00	\$ 2,925.02	\$ -
<i>Semi-Detached Dwelling</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Duplex, Triplex, Quadruplex</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Addition to Single Family</i>	0	0	\$ -	\$ -	2	0	\$ 350,000.00	\$ 4,432.09	\$ 2,156.73
<i>Addition to Accessory Storage</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Addition to Commercial</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Accessory Storage Building</i>	0	0	\$ -	\$ -	2	0	\$ 22,000.00	\$ 532.80	\$ 532.80
<i>Alteration/Renovation SFD</i>	1	0	\$ 30,000.00	\$ 175.00	1	0	\$ 30,000.00	\$ 175.00	\$ -
<i>Alteration/Renovation ASB</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Alteration/Renovation COM</i>	0	0	\$ -	\$ -	1	0	\$ 50,000.00	\$ 175.00	\$ 175.00
<i>Farm Accessory Storage Building</i>	2	0	\$ 1,013,000.00	\$ 1,871.26	2	0	\$ 1,013,000.00	\$ 1,871.26	\$ 1,871.26
<i>Commercial</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Industrial</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Institutional</i>	1	0	\$ 210,000.00	\$ 175.00	1	0	\$ 210,000.00	\$ 175.00	\$ -
<i>Telecommunication Tower</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Demolition Permit</i>	1	0	\$ -	\$ 178.00	3	0	\$ -	\$ 412.00	\$ 412.00
<i>Swimming Pool & Deck</i>	0	0	\$ -	\$ -	1	0	\$ 15,000.00	\$ 175.00	\$ -
<i>North Stormont Township</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Temporary Permit</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Change of Use</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Wood Stove</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
<i>Transfer of Permit</i>	0	0	\$ -	\$ -	0	0	\$ -	\$ -	\$ -
TOTAL	6	1	\$ 1,653,000.00	\$ 5,324.28	14	1	\$ 2,090,000.00	\$ 10,873.17	\$ 10,727.40

32 Inspections were conducted by the CBO

Andre Brisson
Chief Building Official



Monthly Activity Summary

Fire Department

February 2025

WORK COMPLETED - Fire Chief

- Continued communication with Deputy Chiefs, Public Education Team.
- Communicate with Training Coordinator re NFPA training.
- Attending all fire calls and various township meetings, including Council, Fire Committee, Deputy Chiefs, Training Committee, as well as Public Education team.
- Review calls from February 2025.
- Continuing maintenance of Stations.
- Complete investigation reports.
- Reviewed and Assessed Accreditation for 2025.
- Continued with various inspections.
- Monthly review and balancing of budget, attend Capital budget meeting with Treasurer.

In Progress - Fire Chief

- Maintain monthly budget.
- Quarterly SIR report from OFM for 2025.
- Complete Investigation reports, as needed.
- Attending various township meetings, including Council.
- Continuous work on Legislated Community Risk Assessment.
- Participant in Document Management Platform Review.
- Resilient Mind Training (Finch & Chrysler Station)

Nancy-Ann Gauthier,
Fire Chief

Monthly Activity Report
February 2025



Monthly Activity Summary

Fire Department

January 1 to February 28, 2025, NSFS total calls 19.

February saw a total of 8 calls.

INCIDENTS 2025	Current Month	Year to Date Calls	Total Dollars Loss if applicable
Ambulance Assist (medical)	3	5	
Ditch Fire			
False Alarm		1	
Fireworks			
Non-Structure Fire			
Chimney Fire	1	2	
Open Air			
Open Air Control		1	
Other	1	1	
Smoke & CO alarm activation		1	
Structure Fires			
Comm./Industrial			
Vehicle Fire	1	3	
Vehicle Accident	2	5	
Gas Leak			
Testing System calls			
Mutual Aid			
False Calls (passerby)			
Power Lines – Hydro			
I-Phone Crash			
TOTAL CALLS & LOSS	8	19	

Nancy-Ann Gauthier,
Fire Chief

Monthly Activity Report
February 2025



Monthly Activity Report Recreation Department February 2025

1. ARC (Amalgamated Recreation) Rental Policy, Fees and Liability Insurance for Recreation

A first draft of the Recreation rental contract has been presented to the municipal council for their review and input. After considering initial feedback, it is clear that only minor changes are required to finalize the document.

In addition to the council's review, I am seeking legal advice to ensure that all necessary regulations regarding liability and responsibility are properly addressed within the contract. This step is essential to protect the municipality and ensure the contract complies with all relevant laws.

I have also requested a comprehensive review of the Arena rental contract by our legal team to guarantee that it aligns with current legal standards and protects both the municipality and renters.

2. Arena Advertisement Update

The Director proposes increasing arena advertising opportunities by introducing additional advertising spaces, including document ads on boards, on the ice surface, and potentially a full wrap for the resurfacer.

To explore these options, the Director has reached out to a third-party company and will be presenting the various advertising possibilities to the council at the second public meeting in March.

3. Univerus

After the vote, the Director purchased a 4-hour training session but is still waiting for crucial information before proceeding. As of now, I am still missing information to be able to move along with the training.

4. Financial Reports and Community Fund Update

Each recreation committee has submitted their financials for the year 2024. As per the ARC agreement, funding in the amount of \$31,606 has been released to all recreation committees from the community fund.

In line with the ARC vote in December, \$2,000 was allocated to the Community Trails, Moose Creek, and Chrysler projects.

The LCIS premium was divided amongst all recreation committees and the arena. Each recreation committee's share of the insurance premium has been deducted from the funds transferred and is being held in reserve until we receive the invoice in April 2025. This approach is intended to reduce administrative time by eliminating the need to issue separate invoices to each individual recreation committee once the insurance invoice is received.

As a result, each recreation committee will receive \$4,584.47.

Additionally, it has come to attention that there are issues with some committees not submitting their HST reports on time. This issue should be addressed with all recreation committees at the next meeting.

ARC Agreement : A meeting was previously held to discuss potential updates to the recreation agreement, as the recreation groups have expressed interest in some revisions. This presents a great opportunity to incorporate the township's requirements into the agreement and introduce the role and responsibilities of the Director of Parks, Recreation, and Facilities.

This matter will be discussed at the next amalgamated recreation committee meeting. It is recommended that a clause for HST reporting be added to the agreement, based on the procedures established by our municipal treasurer.

Grant Applications Update

The following grants will be filled out by the township Director of Parks, Recreation, and Facilities on behalf of the recreation committee, reducing the cost of third-party services:

- **Trillium Foundation:** Chrysler Park Extension project has been submitted for funding

Other Topics Discussed

- **HVAC:** A review of HVAC contractors servicing our facilities is underway to evaluate the service levels across our halls. Currently, only two halls have service contracts in place. It is crucial that we establish regular maintenance for HVAC systems across all our infrastructure to ensure their longevity and prevent the premature replacement of equipment due to lack of maintenance.
- **Fire Plans:** Ongoing. Waiting for lock boxes for all recreation facilities in order to install the fire plan boxes and complete the project with an updated fire plan for all recreation facilities.
- **Moose Creek Pool and Avonmore Pool:** We recently had a meeting with a representative from the Eastern Ontario Health Unit (EOHU) to discuss training requirements under their mandate. The meeting also provided an overview of the responsibilities of both the owner and the operator for opening and maintaining our Class A pools.
- We are still working on finding a solution that will benefit the volunteer groups while meeting the township's requirements as outlined by our risk management team at Intact Insurance.

Arena Update

- **Family Day:** The free skating sessions were a great success, with over 75 people in attendance. Ice time for the event was generously covered by MPP Nolan Quinn. In addition to the skating, attendees enjoyed complimentary hot chocolate and glow bracelets, which added to the festive atmosphere.
- **Every Sunday:** To ensure everyone has an opportunity to enjoy the facility, we have divided the free public skating hours into two sessions: the first half for regular skating, and the second half for Rock & Skate. This division allows for a variety of skating experiences and accommodates different preferences. Additionally, we are exploring the possibility of securing sponsors for the Sunday free skate sessions to help support and enhance these community events.
- Looking at the potential of adding free ice time during the March Break

Training:

- Murray and Sara are registered for the Safe Arena Refrigeration Plant Owner/Operator. Both have successfully completed their courses
- All these courses are accredited for ORFA certification.

Hours of Ice Reservations

February 2024: 234 hours

February 2025: 206.5 hours

-23.5 hours of rentals Minor hockey out of town tournament and closure due to bad weather.

A handwritten signature in black ink, appearing to read 'Pierre Thibault', with a stylized, cursive script.**Pierre Thibault**

Director of Parks, Recreation, and Facilities

Directeur des parcs, loisirs et installations



Monthly Activity Summary
February 2025
Public Works Department

WORK COMPLETED

- Snow cleanup from February storm
- Repaired head gasket on JD Grader
- Repaired transmission on Plow truck

WORK IN PROGRESS

- MMS first priority
- Roads and sidewalks: sanding, salting and snow removal
- Servicing equipment and repairs
- Rebuild transmission on CAT Grader
- Preparation of the 2024 report for water and sewage allocations to be presented to Council during the March 25th meeting

OCWA FEBRUARY REPORT

- All treated and distribution samples collected in Finch, Crysler and Moose Creek's Drinking Water Systems tested negative for total coliform and E. Coli.
- OCWA submitted the 2024 Annual Drinking Water Reports to the Township in accordance with O. Reg. 170.
- Pump #1 at Moose Creek's SPS became clogged with debris. OCWA pulled the pump to remove the blockage and put the pump back in service.
- 2 hydrants were damaged by snow removal equipment in Crysler's distribution system. OCWA recommends markers be installed on all hydrants during the winter months to help keep them visible during periods of high snow accumulation.



CAO – ACTIVITY SUMMARY **FEBRUARY 2025**

WORK COMPLETED


- Supported local Regional Incentive Program (RIP) applicants (completion of municipal information sheet) – **Economic Development**
- Participated – CAF emergency Exercise (SDG Working Group) – **Public Safety**
- Participated – Environment & Climate Change Canada Weather Event – **Public Safety**
- Participated – Discussion and creation of new emergency management volunteer agreement with Search & Rescue organization – **Public Safety**
- Participated – Stoneshare Training/Onboarding (cont'd) – **Modernization of Service Delivery**
- Participated – meeting with EOHU and Recreation Director – Public Pools operations 2025 – **Public Safety**
- **Participated** – AMO Webinar – Mastering Due Diligence – Occupational Health and Safety – **People & Culture**
- Community Improvement Program (CIP) public member application closed Feb 28th 2025 – **Economic Development**

STRATEGIC PLAN

- Junior Planner employment posting closed – 11 candidates submitted resumes for consideration. CAO is reviewing with SDG Planning partners to determine interview list/schedule Recruitment for Junior Planner underway - **Key Threats/People and Culture**
- Economic Development & Communications support provided by our SDG County partners – draft Agreements for March 11th Council - **Opportunities/Shared staffing arrangements with other public agencies**

SCHOOL RENOVATIONS

- Childcare and municipal office space complete and occupancy as of March 4th 2025. This will be the last formal Council update incorporated into the monthly CAO reports specific to the office renovations.

 <div> The Corporation of the Township of NORTH STORMONT </div>		Report No. PD-02-2025
Agenda Date:	March 11, 2025	
Subject:	Plan of Subdivision No.01-NS-S-2024 (Blanchard)	
Attachments:	<input type="checkbox"/> 01-NS-S-2024-Signed Draft Plan <input type="checkbox"/> Schedule A - Blanchard Draft conditions <input type="checkbox"/> 2025-01-28 Public Meeting Minutes <input type="checkbox"/> Proposed Zoning	

1.0 **RECOMMENDATION**

THAT the Council of the Township of North Stormont supports Plan of Subdivision Application No.01-NS-S-2024 on the conditions of approval described in Schedule “A” of the Action Request dated March 11, 2025 from the Planning Department and further, that these conditions be forwarded to SDG Counties and the applicant, representing the Township’s formal comments on the proposal.

2.0 **LEGAL DESCRIPTION**

Part of Lots 12 & 13, Concession 10, Former Geographic Twp. of Finch

3.0 **BACKGROUND**

Sylvain Blanchard intends to develop a residential subdivision on approximately 10.4 hectares (25.7 acres) of land on the east side of County Road 12 in Crysler, north of the South Nation River. A Plan of Subdivision application (Application No. 01-NS-S-2024) was deemed complete by the United Counties of SDG on November 8, 2024 and forwarded to the Township for review and organization of a Public Meeting to gather feedback from the community.

The proposed development will consist of 30 single detached dwellings, 9 semi- detached dwellings (18 units), 4 townhomes (16 units), 2 apartment blocks (29 units), for total of approximately 93 residential units (may vary through detailed design). Stormwater will be managed through a new facility developed through this subdivision and adjacent lands. The subdivision would be built with an urban cross-section. The lands will be serviced with municipal

water and sewer to be connected from the adjacent subdivision (Countryside Acres) to the north, where access will also come from. The developer contributed to a cost-sharing agreement for the construction of the pumping station to service the lands.

4.0 POLICY CONSIDERATION

Provincial Planning Statement (PPS) 2024

The PPS focuses on directing growth and development towards settlement areas and away from significant or sensitive resources, including areas that may pose a risk to public health and safety. Section 2.5 of the PPS emphasizes the need to promote the vitality of rural settlement areas through implementation of efficient development patterns that effectively use infrastructure and public service facilities and minimize unnecessary public expenditures. The proposed subdivision is designated “Urban Settlement Area – Residential District” in the United Counties of SD&G Official Plan, fits in with the existing/future planned residential character of the surrounding area, and will be fully serviced by a public sanitary sewage system and water supply. The project is also supported by technical studies addressing traffic and stormwater.

Section 2.5 of the PPS states that planning authorities shall provide for an appropriate range and mix of housing options and densities in rural settlement areas. Implementation of this requirement includes permitting and facilitating all housing options required to meet the social, health, economic and well-being requirements of current and future residents, including special needs requirements and needs arising from demographic changes and employment opportunities. The proposed mix of land uses would provide a mix of housing types, affordability levels and densities and improve the available options for people looking to move to North Stormont.

It is in the opinion of staff that the proposed development is consistent with the policies of the Provincial Planning Statement 2024.

United Counties of SDG Official Plan (OP)

The proposed subdivision is designated as Urban Settlement Area – Residential District within the United Counties of SD&G Official Plan (2018). Table 3.1 of the OP outlines permitted land uses within the Urban Settlement Area – Residential District, which includes a full range of low, medium and high-density housing types. The proposed subdivision will be developed with a mix of housing types and densities that will add to the housing stock in Crysler and contribute to the character of the area.

Section 3.06.6 of the OP outlines applicable planning principles in the review of any development applications including adequacy of lot sizes, servicing

capacity, frontage and access, and land use compatibility.

It is in the opinion of staff that the proposed development conforms to the policies of the United Counties of SDG Official Plan.

Township of North Stormont Zoning By-law No. 08-2014

The subject lands are zoned Agricultural, R1 (Residential First Density) and R4 (Residential Fourth Density). under the Township of North Stormont Zoning By-law No. 08- 2014, along with a floodplain overlay.

A concurrent Zoning By-law Amendment submitted by the applicant would change the zoning to R1, R2, R3 and R4 to accommodate a proposed residential subdivision with single detached (R1), semi-detached (R2), townhome (R3) and apartment (R4) uses with site-specific provisions as follows

Residential First Density – Special Exception XX - Holding (R1-XX-h) with the following site-specific provisions:

- Maximum Lot Coverage shall be 50%

Residential Second Density – Special Exception XX – Holding (R2-XX-h) with the following site-specific provisions:

- Minimum interior side yard setback: 1.2 m
- Maximum Lot Coverage: 50%

Residential Third Density – Special Exception XX – Holding (R3-XX-h) with the following site-specific provisions:

- Minimum interior side yard setback: 2.0 m
- Minimum Exterior Yard Setback: 4.5 m
- Maximum Lot Coverage: 50%
- Minimum Landscaped Open Space: 25% Minimum Landscaped Open Space: 25%

Residential Fourth Density – Special Exception XX – Holding (R4-XX-h) with the following site-specific provisions:

- Minimum Interior Side Yard: 2.0 m
- Minimum Rear Yard: 6.0 m
- Minimum Front Yard: 6.0 m
- Maximum Lot Frontage: 27.0

The zoning amendment application would be considered at a subsequent meeting, following a decision on the plan of subdivision. A holding (h) provision is typically implemented in order to delay development until municipal services are available to a site and will be removed later in the subdivision development process. A draft condition of approval has been included to ensure that all requirements of the Zoning By-law are maintained, and the zoning matches the proposed layout. Note that the proposed Agricultural lands may be recommended to be changed to Open Space given the located within the

boundaries of Crysler.

It is the opinion of staff that the proposed development will comply with the provisions of Zoning By-law No. 08-2014 through the conditions of draft approval.

5.0 ANALYSIS

Lot Configuration and Lot Size

The proposed lots comply with the minimum lot area requirements and are large enough to accommodate the proposed uses, while meeting the minimum required yard setbacks (with some site-specific considerations). The proposed layout of the subdivision is efficient and includes connections for future developments. The lands were comprehensively planned for in partnership with the owner of lands to the north.

Parkland

The *Planning Act* allows the Township to require up to 5% of the land included in the plan of Subdivision to the municipality for park purposes. Alternatively, the municipality may except cash-in-lieu of the physical land conveyance. Staff have identified land along the South Nation River (Block 50 in the proposed plan of subdivision) along with land along Armstrong Road as potentially suitable for parkland. It would offer an area for potential walking paths and a small neighbourhood park. The owner is agreeable to sell the land to the Township at-cost, and it would be the intention that the cash-in-lieu of parkland for the subdivision towards the north would be used toward purchasing land above the required 5% contribution.

Public Consultation

A notice of public meeting was hand-delivered to all landowners within 120 metres of the subject lands, and a sign was posted on the subject site.

A public meeting was held on January 28, 2025 that was attended in-person by the applicant, the applicants engineer, Township Administration, Members of Council and the public.

The applicant's representatives provided an overview of the proposed draft plan, followed by discussion regarding parkland phasing, curbing, sump pumps, and stormwater management, along with what types of development would be permitted within the floodplain and erosions hazards. Questions from the public included the consultation process, details regarding the zoning, and access to the agricultural lands. A copy of the meeting minutes is attached that includes the questions and responses from staff and the developer.

Through the draft conditions issues related to parkland, density, phasing, and stormwater drainage will be addressed. Traffic concerns were addressed as part of the conditions of approval for the subdivision to the north, where a future turning lane will be required. Utilities and agencies were circulated by the United Counties and have provided favourable comments and conditions in support of draft approval.

6.0 ENVIRONMENTAL CONSIDERATIONS

An environmental impact statement was submitted and reviewed through the draft plan approvals process. Lands adjacent to the South Nation River will have appropriate setbacks for development.

7.0 RECOMMENDED CONDITIONS

Attached as Schedule A

8.0 ALTERNATIVES

1. THAT Council supports Plan of Subdivision Application No. 01-NS-S-2024, based on the conditions of approval described in Schedule "A" of the Action Request dated March 11, 2025 and further, that these conditions be forwarded to SDG Counties and the applicant, representing the Township's formal comments on the proposal.
2. That Council advise SDG Counties that the Township of North Stormont does not support Plan of Subdivision Application No. 01-NS-S-2024.
3. Other (e.g. provide direction regarding changes of conditions)

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:

Yes ☐ No ☐ N/A ☒

This item is within the approved budgeted amount:

Yes ☐ No ☐ N/A ☒

This item is mandated by the Provincial/Federal Government:

Yes ☐ No ☐ N/A ☒

Prepared By:

**Reviewed and submitted
by:**

**Submitted for Council
consideration by:**



Peter Young
Director of Planning &
Economic

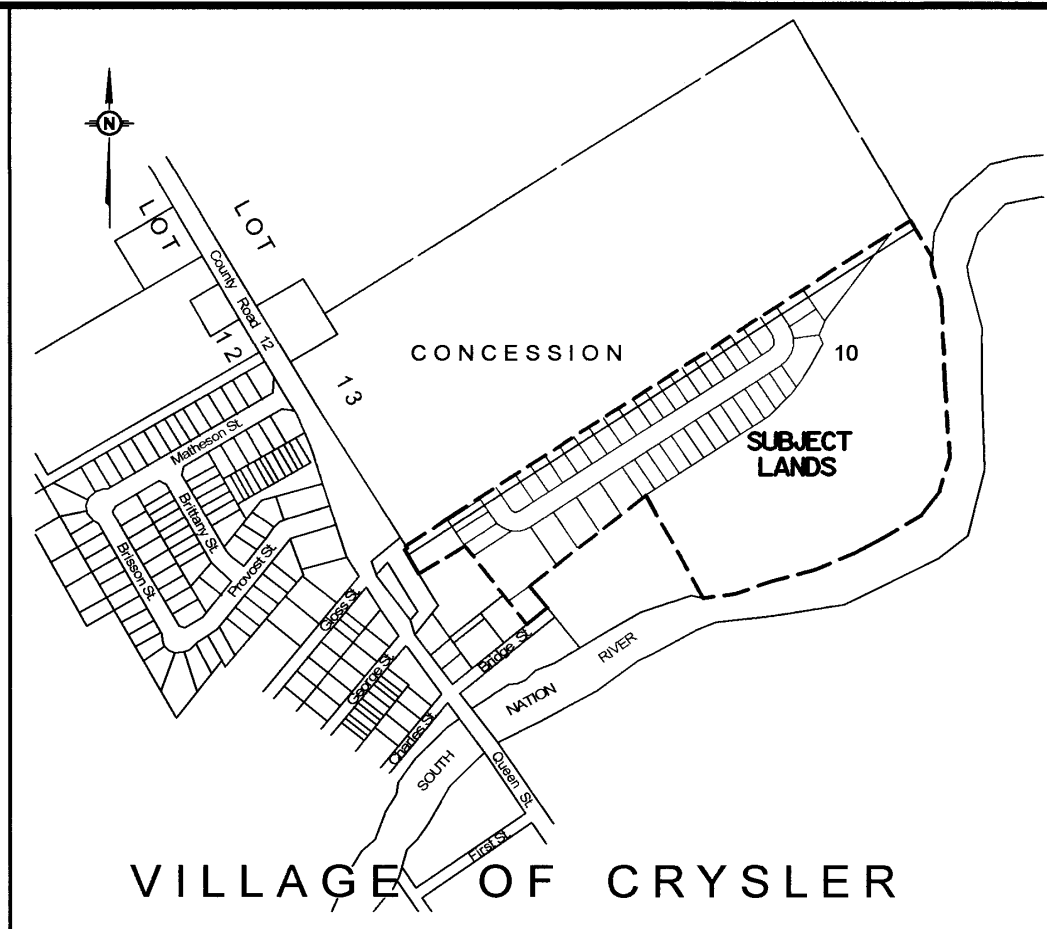


Craig Calder
CAO/Clerk



Craig Calder
CAO/Clerk

Development Services



KEY MAP
NOT TO SCALE

DRAFT PLAN OF SUBDIVISION OF:

PART OF LOTS 12 AND 13
PART OF ROAD ALLOWANCE
BETWEEN LOTS 12 AND 13
CONCESSION 10
(Geographic Township of Finch)
TOWNSHIP OF NORTH STORMONT
COUNTY OF STORMONT

Scale 1:1000

Metric
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
The boundaries of the lands to be subdivided and their relationship to adjoining
lands have been accurately and correctly shown.

Aug 7/2014
Date

Tyler J. Allison
TYLER J. ALLISON
ONTARIO LAND SURVEYOR

OWNER'S CERTIFICATE

I CERTIFY THAT:
This is to certify that I am the owner of the lands to be subdivided and that this plan was
prepared in accordance with my instructions.

08/07/2014
Date

Sylvain Blanchard
Sylvain Blanchard

**ADDITIONAL INFORMATION REQUIRED UNDER
SECTION 51-17 OF THE PLANNING ACT**

A. see plan (boundaries)
B. see plan (highways)
C. see plan (key plan)
D. single family, semi-detached, townhouses, apartment building
E. see plan (adjoining lands)
F. see plan
G. see plan (features)
H. Municipal Water
I. see hydrogeological report and natural environment report
J. see plan
K. Municipal services available or to be available (hydro,
telephone, cable)
L. see plan (easements)

NOTES AND LEGEND

—O— denotes Survey Monument Planted.
—■— " " " " Found.
SIB Standard Iron Bar
SIBB Short Standard Iron Bar
CC Cut Cross
IB Iron Bar
(AOG) Annis, O'Sullivan, Vollebek Ltd.

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
165 Bay Street
Erie, Ont. N2A 1W1
Phone: (519) 463-3364
Email: info@anniso.com

Ontario
Land Surveyors (Reg. No. E-2449-22)

**SCHEDULE “A” – PROPOSED CONDITIONS OF DRAFT
PLAN APPROVAL**

SDG File No. 01-NS-S-2024
Owner: Sylvain Blanchard
Location: Part Lots 12 and 13, Concession 10, Geographic Township of Finch, now in the Township of North Stormont

1. The owner shall enter into a Subdivision Agreement with the Township of North Stormont respecting all conditions and obligations in carrying out the proposed Plan of Subdivision;
2. That the Subdivision Agreement between the owner and the Township of North Stormont be registered against the land to which it applies once the plan of subdivision has been registered;
3. The owner shall agree, by entering into a Subdivision Agreement, to satisfy all terms, conditions and obligations, financial and otherwise, of the Township of North Stormont, at its sole expense, including, but not limited to, design and construction of roads, services, utilities, lot grading and drainage, in accordance with the Township's specifications and standards, all to the satisfaction of the Township of North Stormont;
4. That the Subdivision Agreement between the owner and the Township of North Stormont indicate that such easements as may be required for utility or drainage purposes shall be granted to the appropriate authority. The Township will require that easements shall be dedicated and registered over all storm sewer facilities/subdrains situated within private property so as to allow for adequate access and maintenance of drainage infrastructure by the Township and associated equipment;
5. That the Subdivision Agreement shall contain provisions including but not limited to the dedication of blocks and/or easements and carrying out of any works deemed necessary by the Township, in its sole discretion, to provide access to any parkland, municipal infrastructure, and/or maintenance of the unstable slope at the Owner's sole expense;
6. That prior to the registration of the Plan of Subdivision, the Township of North Stormont shall be satisfied that the proposed plan of subdivision conforms with the Zoning By-law approved under the requirements of the Planning Act, with all possibility of appeal to the Ontario Land Tribunal exhausted;
7. That the road allowance(s) included in the draft plan shall be shown and dedicated as public highways, and that the public highway(s) shall be named to the satisfaction of the municipality;

8. That any dead ends and open sides of road allowances created by the draft plan that abut adjacent lands terminate in 0.3 m reserves to be conveyed and held in trust by Township;
9. The owner shall agree in writing to reimburse the Township for all legal, engineering, planning and other expense that the Township may incur in relation to the subdivision;
10. That, prior to Final Subdivision Approval, the owner shall submit a revised Plan, if required, to reflect any significant alterations caused from this Draft Plan review and approval;
11. That when requesting Final Approval from the United Counties, the Owner shall accompany such request with the required number of originals and copies of the Final Plan, together with a surveyor's certificate stating that the lots/blocks thereon conform to the frontage and area requirements of the zoning by-law. The surveyor's certificate regarding zoning compliance shall be accompanied by written confirmation from the Township of North Stormont;
12. The applicant shall submit detailed design drawings and plans outlining proposed water, sanitary sewer, and storm sewer servicing infrastructure for the subdivision, produced by a qualified professional to the satisfaction of the Township;
13. The applicant shall submit a detailed stormwater management plan, lot grading and drainage plan for the proposed subdivision, produced by a qualified professional, to the satisfaction of the Township.
14. The applicant shall submit a composite utilities plan for the proposed subdivision, produced by a qualified professional, to the satisfaction of the Township;
15. The applicant shall submit a lighting plan for the proposed subdivision, produced by a qualified professional;
16. That prior to final approval a phasing plan shall be prepared by the owner for lands contemplated for development;
17. That the Owner shall provide all necessary servicing easements related to each phase to service the property prior to final approval of the plan or any phase thereof. No phase shall be approved without confirmation from the Township of North Stormont that the appropriate easements, dedications and infrastructure are in place, should development not proceed on subsequent phases;
18. That prior to final approval of the Plan or any phase thereof, the Township shall

confirm to the Approval Authority in writing that there is sufficient water and sanitary capacity available. Draft approval does not guarantee an allocation for water or sewer capacity;

19. That the Owner acknowledges and covenants in the Subdivision Agreement that water and sewer charges are subject to change and additional charges may be applicable to contribute to necessary off-site sanitary sewer upgrades.
20. That the Owner provides up to 5% of the land to be subdivided as parkland to the satisfaction of the municipality and provides a park concept plan on/adjacent to Block 50 to be approved by Council
21. That the owner submit an plan for Blocks 44 and 45, including potential for servicing, pedestrian easements and consolidation of the blocks to the satisfaction of the Township
22. That the subdivision agreement contain provisions for Block 48 and 46 to be consolidated with adjacent lands.

International numbers available: <https://us06web.zoom.us/j/kcQZtXu9TO>

RES-17-2025 Moved by Deputy Mayor Densham, Seconded by Councillor McDonald
BE it resolved that this regular meeting now open at 6:01 p.m.
CARRIED

2. OPENING REMARKS

Deputy Mayor Densham mentioned that the United Counties of SDG has opened another intake round for the Counties Regional Incentives Program, it is a popular funding program that provides incentives to help grow and expand new businesses with the county. This round is open until Monday, February 24, 2025. There have been some businesses in North Stormont that have been recipients in the past and hopefully there will be more businesses that would see benefit in applying to this great program.

3. ADOPTION OF THE AGENDA amendment(s) addition(s) or deletion(s)

RES-18-2025 Moved by Councillor McDonald, Seconded by Deputy Mayor Densham
BE it resolved that the agenda be approved as presented.
CARRIED

4. DISCLOSURE OF PECUNIARY INTEREST AND NATURE THEREOF

5. PUBLIC MEETING

Plan of Subdivision, SDG File No. 01-NS-S-2024 and Zoning Amendment Z-2025-01 (Blanchard Subdivision)

Megan Benoit, Development Planner from SDG Counties and Anmol Burmy, Junior Planner for North Stormont presented to Council an overview of the proposed subdivision plans and the request for a zoning amendment for the Blanchard Subdivision. The Counties are the approval authority for plans of subdivisions and are required by resolution passed at the Counties to hold a public meeting to inform Council and the public on proposed plans of subdivisions and North Stormont has the authority to approve zoning amendment requests for applications received.

This meeting was for information only, for questions and gathering of further information and no decisions will be made regarding the plan of subdivision or zoning amendment request.

Francois Lafleur from EVP Engineering gave Council and the public an overview of the plans and stages for the proposed Blanchard subdivision. There will be three stages under this plan and will comprise single detached dwellings, apartments, semi-detached housing and will have some land left undeveloped.

PUBLIC QUESTIONS/COMMENTS

Public Meeting – Plan of Subdivision SDG File No. 01-NS-S-2024

Council questions/concerns:

1. Mayor Landry asked about the phase in and services, if they would push the services past the first phase for logistics on a smaller road?

Mr. Lafleur explained that they would normally extend services a little past the end of a phase with servicing, it makes sense so that when beginning future phases there would be minimal impact on the existing homes or the roadway, and they would most likely have a gravel turn around.

2. Mayor Landry made more of a comment on the curbing, he asked that everyone work together along with staff on choosing and planning the curbing so that it does not come as a late decision and tie Councils hands with unnecessary changes.

3. Councillor McDonald asked if there was any update on how the existing sales were going for the existing subdivision to the North, Countryside as it is nice to see homes going up and with a new subdivision proposal that sales progress.

Mr. Lafleur mentioned that he knows that there are a few homes under construction currently and that there is interest, but unsure of sales at this time.

4. Councillor McDonald also asked if there would be a need for sump pumps for these new homes in this subdivision.

Mr. Lafleur said that no, there was no need for sump pumps, the storm pond was deep enough, and that the neighboring subdivision had a requirement for backflow preventers, so they were able to get away with none for this subdivision with gravity.

5. Councillor McDonald also commented on the curbing and reiterated what Mayor Landry had mentioned that she thinks it important for everyone to work together and that staff had previously asked for curbing that was more accessible and that this be considered when curbing is chosen.

6. Councillor McDonald also enquired about the storm water pond, she noticed it appeared to be partially on the Blanchard property and the subdivision property to the north.

Mr. Lafleur believed that if the lands had not yet been transferred it was in the process of the transfer, the Mayor mentioned this as well had been taken care of and filed on a reference plan.

7. Councillor McDonald asked if the pond was a wet pond, is it a permanently wet pond?

Mr. Lafleur responded that he believed it was wetlands and that there was some water in it.

8. Councillor McDonald asked about the third phase, wondering if there was a separate stormwater management plan for the north section or was it all tied into one.

Mr. Lafleur confirmed that everything would all be tied into the one facility.

9. Councillor McDonald enquired about the lots that are requesting to be adjusted or that was requested to be adjusted and that the owners do not want to adjust, was that due to the flood plain hazard or the slope stability.

Mr. Lafleur answered that it was due to the slope stability setback and that there is somewhat of a buffer in the line already and have gone essentially from 14 metres from the top. They are saying do not construct within that setback but the line traverses over and extends within their lots even though there is not any buildable space back there.

Still some question whether it is from the top of valley line or hazard set back line as it makes a difference if within the hazard lines. The problem is if someone wants to put in a pool or shed in the back. This would get in the way of issuance and timelines and be difficult for the building department to keep track of this. Mr. Lafleur mentioned this was a good question and before responding on this question he would need to refer to the original report to answer this properly.

10. Councillor McDonald commented that it is currently zoned as Agriculture and is currently being farmed and as we have the phase ins, even though houses do not go up right away, it seems that with it being in the urban settlement that may be an incompatible use with the density proposed and with residential use.

11. Councillor McDonald also mentioned a concern is that there is not a lot of park space in the Countryside subdivision and that Council chose to defer that to future proposed phases. She was hoping that anyone wishing to live in this area would have access to the river and interact with the river. There may have to be future discussions with the landowners and the developers as there are a lot of opportunities for kayaking, fishing and enjoying the river. She hopes that this will be part of ongoing discussions.

12. Deputy Mayor Densham commented that this is a great project for North Stormont and agrees with the comments from Councillor McDonald and the enjoyment of the waterfront. He had a question about the conversation on the slope's limits and the request not to have them adjusted. Is there any intentions

for the back end of the properties to have fencing as if not delineated properly, people have tendencies to build things like sheds. If built, it will clearly be in the floodplain hazard. Is there a plan for the back of the properties?

Mr. Lafleur said this was a good question and mentioned that if it remained as farmland that would solve the issue as people would not be able to build sheds on land actively being farmed. In speculation, Mr. Lafleur mentioned that he does not see people wanting fences to obstruct any view of the land. Deputy Mayor Densham left it with more of a comment to discuss further at some point in the project.

13. Deputy Mayor Densham brought up discussion on the traffic and the potential for the traffic score. There was mention about an intersection and he just wants clarification that this is the intersection that intersects with County Road 12 and not the intersection of the subdivision roads just before County Road 12.

Mr. Lafleur responded that the intersection in the slide presentation was the worst with regards to the levels of service and County Road 12 has the longest delay. Other nearby intersections were reviewed as well but have a lesser degree of delay.

14. Councillor Bugelli had a question about phase 3 and the R4 blocks on whether there has been any kind of talks or plans on how large they may be, such as the maximum units they could cap out at.

Mr. Lafleur said that a quick review was done on this and based on the size of the lot and a review of the Township's zoning by-law, you can only do so many units per square metre of lot area which came up to around 30 units or thereabouts. There has been no conceptual planning done for this yet, could be fewer or more if a zoning request is done, but no firm plans as of yet.

Public questions/concerns:

1. Robert Mason, 61 Richer Street, Crysler
Mr. Mason wondered if there had been any consultation with the schools, he did not see where they were mentioned along with the agencies.

Megan Benoit from the Counties responded to Mr. Mason that yes all the regular agencies such as Hydro One, South Nation Conservation etc. and all of the local school boards were notified prior and asked for any concerns or comment as they are all required agencies. Megan also mentioned that a lot of the time they get an automated email response and that there has not been any response from any of the school boards. Normally they do not make comments on the planning notices sent out.

Mr. Mason commented that there is only the one school in Crysler, and it is the Conseil scolaire de district catholique de l'Est ontarien and it is very congested and busy at school times on Fourth Street, remarkably busy with lots of cars and traffic. Does this school have the capability of managing an influx and also the fact that there is no English school close by for any of the children.

2. Madeline Gour & Jacques Meilleur, 6 Charles Street, Crysler
Ms. Gour was enquiring about what would be built next to her property, apartments? The Mayor clarified if she meant the R4 designation – yes and her partner Mr. Meilleur explained that their property is the last one on Charles Street.

The applicant, Sylvain Blanchard, responded that they have not decided yet on what would be built there. The preference would be to have single family dwellings, but they will review the land and will decide when in Phase 3 of the project, but the preference would be for single family dwellings and not apartment buildings. They are not looking to be in the rental business, but no plans have been finalized. The Mayor also added that when planning subdivisions, normally there are different densities which normally include single dwellings, semi-detached and town homes.

3. Marcel Lafrance, 17 Fourth Street, Crysler
Mr. Lafrance was wondering about what or if there was a plan for access to the agriculture land. It appears the only access to the land is the allowance between lots 16 and 17 and it does not look very wide to access with farm machinery. This is more for logistics and if further down the road the municipality has an appetite to purchase these lands so people could have access to the water for use of a boat launch or something to that effect. Could there be a parking lot in this area?

Councillor McDonald commented that generally a flood plain area would be used for more passive use such as for recreation by way of paths or maybe a gazebo but generally very passive in nature. Mr. Lafrance asked if it could be pushed to a dock or baseball diamond or something like that. Councillor McDonald did mention that South Nation Conservation does issue permits for docks, and they are generally in wetland areas as docks are on water and most marine type uses have to have water and are generally typical in these types of areas. There could be a permit issued for a dock, but there may also be stipulations as to how you anchor the dock, so it does not get washed away. It would be possible, but generally when planning recreational activities in floodplain areas most aim toward making them less financially burdensome so as to not use taxpayers' dollars on large ticket items that may wash away or wear down over time. Information would be needed from engineers to see how much water is coming through the area and how fast it travels. Also, is this plan for a hundred-year flood plain? Yes this mapping is for a hundred years.

Mr. Lafrance also asked about the traffic study, was there any consideration of Concession 10-11 Road as there is already some concerns about site lines when entering County Road 12 at nighttime and around the supper hour and it being a busy time. The other question about adding all of those houses in and the traffic speed, at this point it is a 60km/hour zone.

Mr. Lafleur mentioned that there was some discussions on other areas for traffic study, but he did not believe that they looked at going that far out. With regards to the speed and the sight lines, this falls outside of what the study would provide as these are already existing problems. As this road intersects with a county road it would most likely be something that the County would have to address and take the lead on. Megan Benoit also made mention that at this time they have not received any comments back from the Transportation Department. The department has the information and will be reviewing all of the studies and reviewing sight lines. Any comments made from the department could be forwarded to the ratepayer if requested.

As there were no further questions, the Mayor mentioned that there was still time for people to enquire or make comment to the Township for the zoning amendment request and to the Counties regarding the proposed subdivision.

The applicant was present for all questions and concerns and had nothing further to add.

6. DELEGATIONS/PRESENTATIONS

7. ADOPTION OF MINUTES OF PREVIOUS MEETING

Special Meeting January 8 - Minutes

Regular Meeting January 14 - Minutes

*RES-19-2025 Moved by Councillor McDonald, Seconded by Councillor Bugelli
BE it resolved that the following minutes be approved as presented:
Special Meeting - 08 Jan 2025 - Minutes
Regular Meeting - 14 Jan 2025 - Minutes
CARRIED*

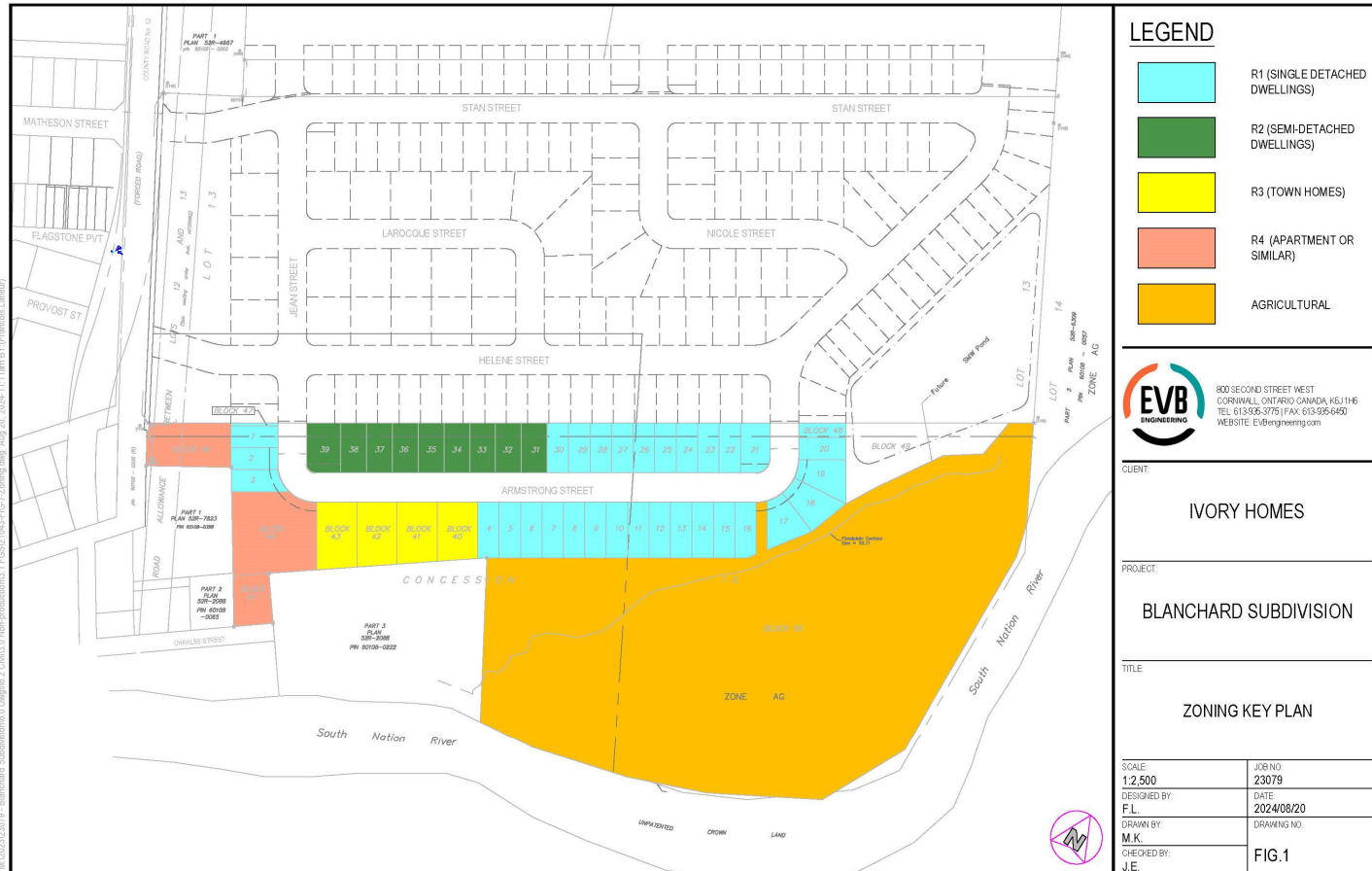
8. ADOPTION OF MINUTES OF COMMITTEES AND LOCAL BOA RDS


Raisin Region Conservation Authority Minutes - November 28, 2024

Raisin Region Conservation Authority Board Highlights - January 9, 2025

*RES-20-2025 Moved by Deputy Mayor Densham, Seconded by Councillor McDonald
THAT the Council of the Township of North Stormont accept the minutes of
November 28, 2024 from the Raisin Region Conservation Authority Board of
Directors Committee meeting and the Board Meeting Highlights of January 9,
2025 for information purposes.
CARRIED*

Proposed Zoning



 <div> The Corporation of the Township of NORTH STORMONT </div>		Report No. PW-04-2025
Agenda Date:	March 11, 2025	
Subject:	2024 Drinking Water Systems Annual Report	
Attachments:	<input type="checkbox"/> 2024 Annual Report - Crysler DWS <input type="checkbox"/> 2024 Annual Report - Finch DWS <input type="checkbox"/> 2024 Annual Report - Moose Creek DWS	

1.0 **RECOMMENDATION**

THAT the Council of the Township of North Stormont receives report PW 04-2025 from the Public Works Superintendent and accepts the annual report from the Ontario Clean Water Agency for the drinking water systems in Crysler, Finch, and Moose Creek.

2.0 **LEGAL DESCRIPTION**

This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22.

3.0 **BACKGROUND**

The Ontario Clean Water Agency prepares annual reports for the drinking water systems in the villages of Crysler, Finch, and Moose Creek. These reports must be available for the Public. A printed version is available at the Township of North Stormont's municipal office, and an electronic copy can be found on the Township's website.

4.0 **POLICY CONSIDERATION**

5.0 **ANALYSIS**

6.0 **ENVIRONMENTAL CONSIDERATIONS**

7.0 **RECOMMENDED CONDITIONS**

THAT the Council of the Township of North Stormont receives and accepts this report.

8.0 ALTERNATIVES

N/A

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:

Yes ☐ No ☐ N/A ☒

This item is within the approved budgeted amount:

Yes ☐ No ☐ N/A ☒

This item is mandated by the Provincial/Federal Government:

Yes ☒ No ☐ N/A ☒

Prepared By:

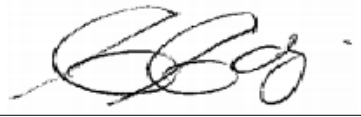
**Reviewed and submitted
by:**

**Submitted for Council
consideration by:**

Bethany MacDonald
Public Works Admin
Assistant



Blake Henderson
Roads Superintendant



Craig Calder
CAO/Clerk

Crysler Drinking Water System

Waterworks # 220008649
System Category – Large Municipal Residential

Annual Report

Township of North Stormont

Reporting Period of January 1st – December 31st 2024

Issued: February 21, 2025

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22

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Revision History

Date	Revision #	Revision Notes
February 21, 2025	0	Issued Annual Report

Report Availability

As Crysler's drinking water system is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the Township of North Stormont's municipal office located at 15 Union Street, Berwick, Ontario and on the Township website (<https://www.northstormont.ca>).

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	Report Received – September 19, 2023 Inspection <ul style="list-style-type: none"> No actions identified Inspection Rating 100% Report Received – June 5, 2024 Inspection <ul style="list-style-type: none"> No action identified Inspection Rating 100%
Ministry of Labour Inspections	0
QEMS External Audit	1 (S2 Audit)
AWQI's/BWA	0/0
Non-Compliance	0
Spills	0
Watermain Breaks	0

System Process Description

Raw Source

Crysler's drinking water system draws water from a groundwater production well (Well #1) located approximately 5 kilometers east of the Village. There is also a standby well (Well #2) located on site. Well #1 is a 250 mm diameter 12.2 m deep drilled well equipped with a submersible turbine pump rated at 19.5 L/s. The standby well is a 250 mm diameter 13.4 m deep drilled well equipped with a submersible turbine pump rated at 19.5 L/s. Chrysler's well supply is considered groundwater under the direct influence of surface water (GUDI) with effective in situ filtration.

Treatment

Raw water enters the pump house and passes through one of two ultraviolet (UV) light reactors which provide primary disinfection of the water. UV intensity is monitored continuously. Sodium hypochlorite is then injected to provide secondary disinfection. Contact time is achieved in the transmission pipe. Treated water leaving the plant is continuously monitored for flow, chlorine residual and turbidity.

Distribution

The water system began supplying water to the Village in 1996. The distribution system consists of an elevated storage tank and approximately 11 kilometers of PVC distribution piping. The elevated tank is fabricated of steel and mounted on a concrete pedestal. It is located on the north side of County Road 13 approximately 600 m east of Chrysler and has a storage capacity of 1238 m³. The storage tank provides for peak hour demands and fire flows.

Treatment Chemicals used during the reporting year

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None to report						

Non-Compliance

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
None to report				

Non-Compliance Identified in a Ministry Inspection

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
None to report				

Flows

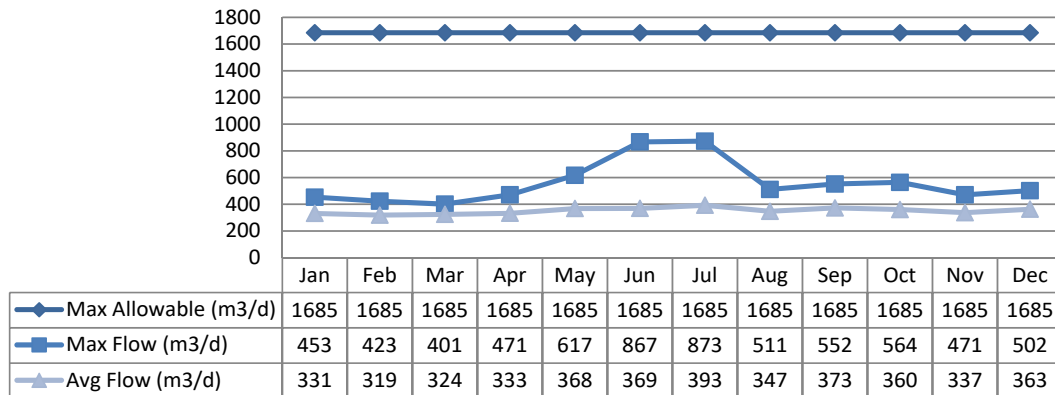
Chrysler's drinking water system is operating on average under half the rated capacity.

Raw Water Flows

Raw water flows are regulated under the Permit to Take Water (PTTW). Raw flow data for 2024 was submitted to the Ministry electronically under Permit #7670-CTUS46. The submission confirmations can be found attached in Appendix A.

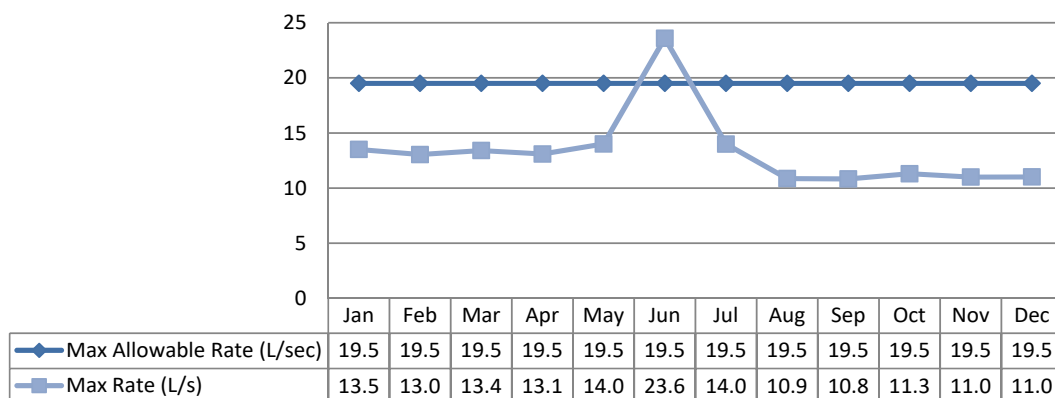
Well #1 - Flows

Max. Allowable Flow - PTTW



Well #1 - Maximum Flow Rates

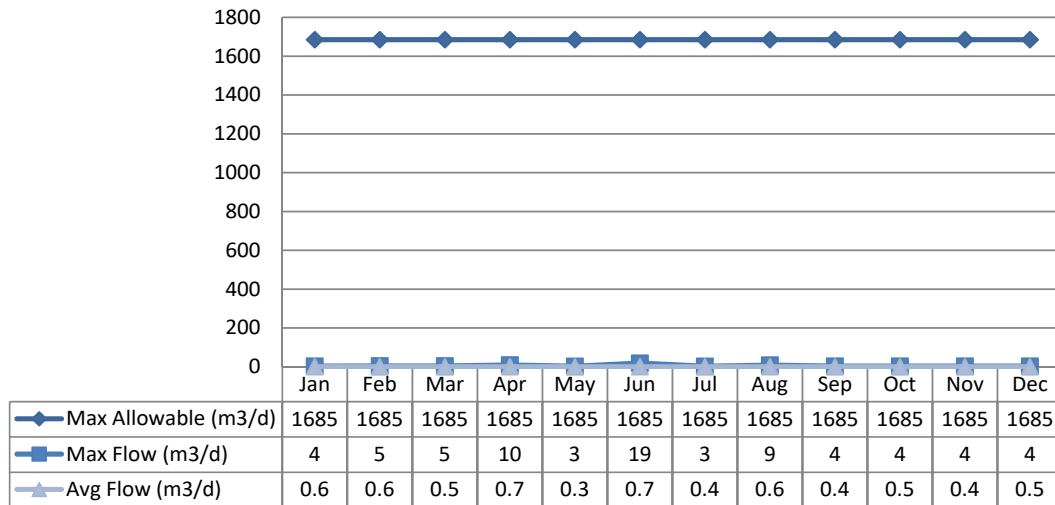
Max. Allowable Rate – PTTW



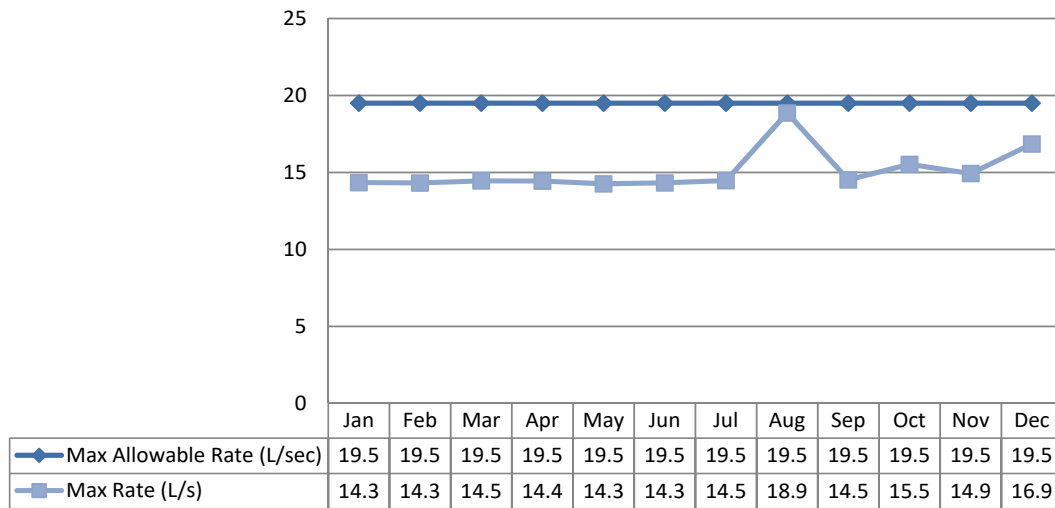
* Brief spikes above 19.5 l/s for less than 1 min. on July 3, 2024. Testing plant on pressure for taking tower offline for warranty repairs.

Well #2 (Standby) - Flows

Max. Allowable Flow – PTTW

Well #2 (Standby) - Maximum Flow Rates

Max. Allowable Rate - PTTW

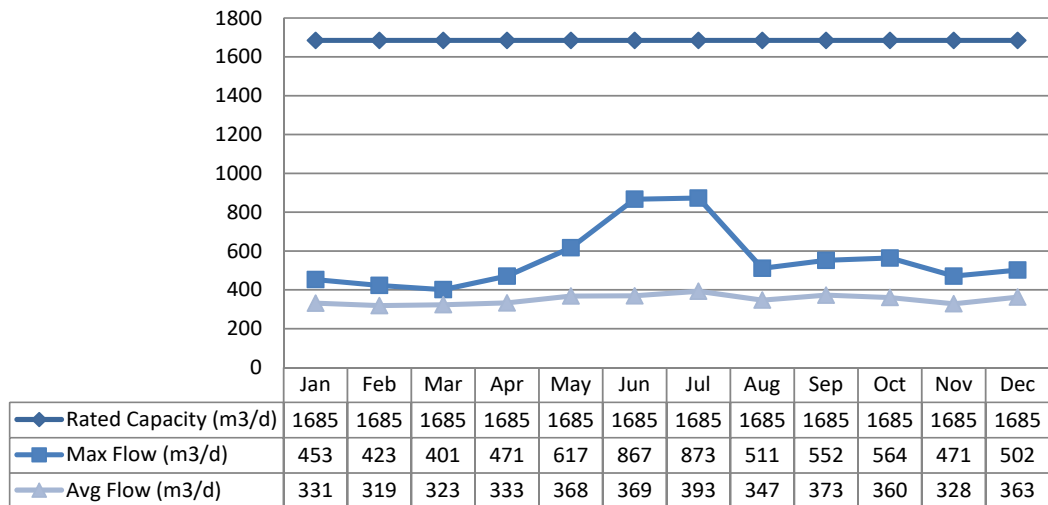


Treated Water Flows

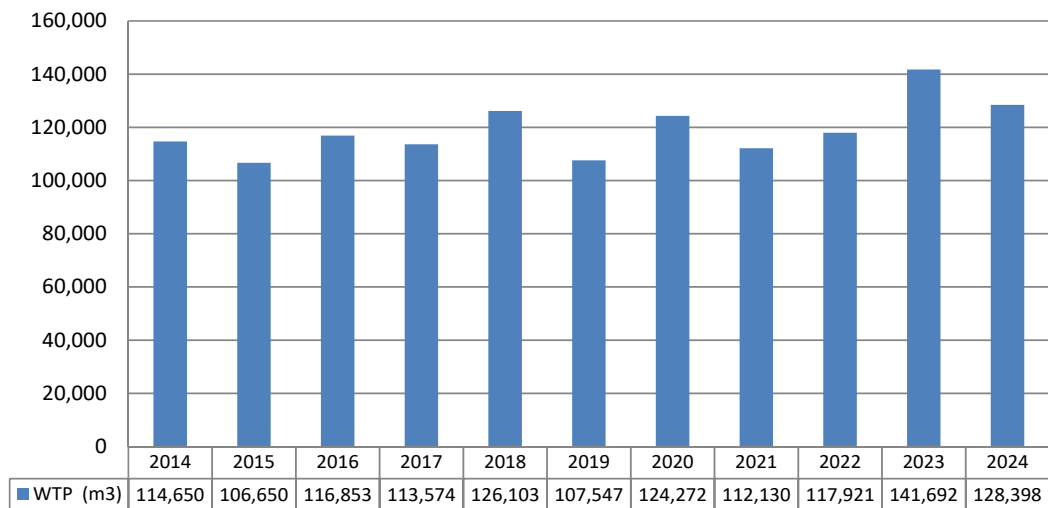
Treated water flows are regulated under the Municipal Drinking Water Licence (MDWL).

Treated Flows

Rated Capacity – MDWL



Annual Total Flow Comparison



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
Raw Well #1	53	0	0	0	5	0		
Raw Well #2	51	0	0	0	2	0		
Treated	53	0	0	0	0	53	2	2
Distribution Water	118	0	0	0	0	60	2	24

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results		
		Minimum	Average	Maximum
Turbidity; In-House (NTU)- RW1	12	0.60	0.82	1.00
Turbidity; In-House (NTU)- RW2	12	0.93	1.06	1.45
Free Chlorine Residual; On-Line (mg/L)- TW	8760	0.28	1.76	5.00
Free Chlorine Residual; TW Field (mg/L)- TW	53	0.81	1.66	2.13
Free Chlorine Residual; On-Line (mg/L)- DW	8760	0.49	1.32	2.30
Free Chlorine Residual; DW Field (mg/L)- DW	115	0.58	1.35	2.22
UV Intensity (W/m ²)	8760	29.42	50.03	93.72
UV Transmittance (%)	93	97	99.38	100

NOTE: Spikes recorded by on-line instrumentation may result from air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03.

Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly, and metals are tested annually as required under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2024/01/08	0.1	6	No	No
Arsenic: As (ug/L) - TW	2024/01/08	0.1	10	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Barium: Ba (ug/L) - TW	2024/01/08	95	1000	No	No
Boron: B (ug/L) - TW	2024/01/08	< MDL 5	5000	No	No
Cadmium: Cd (ug/L) - TW	2024/01/08	< MDL 0.015	5	No	No
Chromium: Cr (ug/L) - TW	2024/01/08	< MDL 1	50	No	No
Mercury: Hg (ug/L) - TW	2024/01/08	< MDL 0.02	1	No	No
Selenium: Se (ug/L) - TW	2024/01/08	< MDL 1	50	No	No
Uranium: U (ug/L) - TW	2024/01/08	2.44	20	No	No
Additional Inorganics					
Nitrate : (mg/L) - TW	2024/01/08	0.34	10	No	No
Nitrate : (mg/L) - TW	2024/04/02	0.22	10	No	No
Nitrate : (mg/L) - TW	2024/07/02	0.32	10	No	No
Nitrate : (mg/L) - TW	2024/10/07	0.49	10	No	No
Nitrite : (mg/L) - TW	2024/01/08	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/04/02	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/07/02	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/10/07	< MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW	2022/01/10	8.4	20*	No	No

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15 Sampling:

The Schedule 15 sampling is required under O. Reg. 170/03. This system is under a reduced sampling schedule. No plumbing samples were collected. Lead samples were collected in 2023.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	3	4	161	180	N/A	N/A
pH	3	4	7.6	8.46	N/A	N/A
Lead (ug/l)	0	0			10	

Organic Parameters

These parameters are tested annually as a requirement under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/01/08	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/01/08	< MDL 10	100	No	No
Alachlor (ug/L) -TW	2024/01/08	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)- TW	2024/01/08	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Benzene (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/01/08	< MDL 0.006	0.01	No	Yes
Bromoxynil (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2024/01/08	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2024/01/08	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/01/08	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2024/01/08	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2024/01/08	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/01/08	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2024/01/08	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Diquat (ug/L)-TW	2024/01/08	< MDL 5	70	No	No
Diuron (ug/L)-TW	2024/01/08	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2024/01/08	< MDL 25	280	No	No
Malathion (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Metolachlor (ug/L)-TW	2024/01/08	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2024/01/08	< MDL 3	80	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
Paraquat (ug/L)-TW	2024/01/08	< MDL 1	10	No	No
PCB (ug/L)-TW	2024/01/08	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2024/01/08	< MDL 0.3	2	No	No
Picloram (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2024/01/08	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2024/01/08	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2024/01/08	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2024/01/08	< MDL 0.2	1	No	No
HAA Total (ug/L) RAA*-DW2	2024/01/01	5.325	80	No	No
Trihalomethane: Total (ug/L) RAA*-DW1	2024/01/01	8.75	100	No	No

*RAA=Running Annual Average



Additional Legislated Samples

No additional sampling required.

Major Maintenance Summary

Description
<ul style="list-style-type: none"> – Performed routine UV system maintenance – Installed new quartz sleeve on UV #1 – Replaced bulbs on UV #1 – Installed new chlorine pump – Replaced chlorine injector – Completed warranty repairs on elevated tank – Rebuilt Hydrant #'s 23, 26, 56 & 57

Appendix A - WTRS Submission Confirmation



Ministry of the Environment,
Conservation and Parks

| WT DATA | USER PROFILE | CONTACT US | HELP | HOME | LOGOUT |

Location: WTRS / WT DATA / Input WT RecordWTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:


Thank you for submitting your water taking data online.

Permit Number: 7670-CTUS46
Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT.
Received on: Feb 5, 2025 2:03 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

[Print Confirmation](#)[Return to Main Page](#)

VANESSA GREATRIX | 2025/02/05
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

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the Government of Ontario

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CRYSLER DRINKING WATER SYSTEM / Raw Well #1

Yearly Summary (Flow) 2024

Annual Values and Summary												
Units: cubic meter per day												
Station:												
Daily Max: 873.0 on July 03												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	295.00	209.00	293.00	308.00	373.00	505.00	385.00	404.00	332.00	317.00	211.00	416.00
2	250.00	397.00	380.00	291.00	240.00	372.00	447.00	280.00	493.00	302.00	392.00	199.00
3	381.00	335.00	353.00	407.00	180.00	442.00	873.00	511.00	193.00	457.00	449.00	358.00
4	407.00	290.00	255.00	413.00	436.00	380.00	747.00	258.00	425.00	262.00	267.00	404.00
5	322.00	248.00	356.00	166.00	386.00	287.00	355.00	442.00	400.00	332.00	368.00	323.00
6	282.00	363.00	391.00	471.00	275.00	213.00	319.00	258.00	370.00	477.00	377.00	293.00
7	321.00	386.00	230.00	377.00	388.00	267.00	419.00	274.00	305.00	208.00	220.00	337.00
8	287.00	341.00	365.00	211.00	497.00	386.00	107.00	378.00	329.00	419.00	295.00	363.00
9	392.00	269.00	377.00	389.00	311.00	452.00	585.00	419.00	357.00	403.00	431.00	285.00
10	403.00	344.00	273.00	393.00	297.00	301.00	354.00	282.00	309.00	461.00	347.00	360.00
11	203.00	323.00	302.00	162.00	438.00	383.00	278.00	329.00	458.00	437.00	393.00	288.00
12	271.00	241.00	346.00	375.00	467.00	293.00	373.00	280.00	368.00	330.00	176.00	344.00
13	453.00	360.00	377.00	417.00	202.00	346.00	448.00	291.00	360.00	331.00	359.00	345.00
14	383.00	393.00	242.00	302.00	277.00	393.00	431.00	487.00	439.00	369.00	362.00	430.00
15	261.00	316.00	371.00	210.00	314.00	422.00	249.00	357.00	375.00	244.00	416.00	403.00
16	406.00	199.00	374.00	341.00	293.00	387.00	374.00	285.00	335.00	564.00	380.00	195.00
17	336.00	423.00	275.00	392.00	285.00	379.00	434.00	395.00	552.00	355.00	327.00	395.00
18	230.00	378.00	305.00	335.00	482.00	192.00	395.00	363.00	419.00	219.00	214.00	417.00
19	314.00	273.00	352.00	304.00	567.00	867.00	295.00	475.00	314.00	444.00	359.00	285.00
20	369.00	221.00	401.00	308.00	390.00	401.00	366.00	278.00	409.00	378.00	378.00	436.00
21	370.00	370.00	232.00	340.00	298.00	356.00	74.00	257.00	369.00	227.00	386.00	413.00
22	259.00	389.00	303.00	397.00	392.00	167.00	452.00	335.00	367.00	259.00	187.00	317.00
23	378.00	237.00	362.00	311.00	462.00	516.00	664.00	351.00	259.00	474.00	429.00	251.00
24	418.00	413.00	334.00	299.00	617.00	350.00	330.00	373.00	461.00	311.00	419.00	468.00
25	203.00	358.00	250.00	266.00	385.00	348.00	309.00	382.00	359.00	464.00	183.00	464.00
26	419.00	203.00	353.00	288.00	429.00	355.00	165.00	386.00	342.00	411.00	383.00	356.00
27	384.00	361.00	371.00	426.00	248.00	319.00	601.00	310.00	346.00	453.00	395.00	429.00
28	239.00	394.00	323.00	414.00	369.00	333.00	341.00	376.00	413.00	293.00	273.00	502.00
29	253.00	212.00	377.00	274.00	406.00	328.00	259.00	329.00	388.00	283.00	270.00	380.00
30	379.00		232.00	393.00	284.00	333.00	379.00	299.00	339.00	333.00	471.00	292.00
31	405.00		297.00		424.00		370.00	315.00		356.00		498.00

CRYSLER DRINKING WATER SYSTEM / Raw Well #2

Yearly Summary (Flow) 2024

Annual Values and Summary												
Units: cubic meter per day												
Station:												
Daily Max: 19.0 on June 03												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00
2	4.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
3	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.00	3.00	0.00	0.00	0.00
4	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00
5	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	2.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00
8	3.00	0.00	0.00	3.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	4.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
11	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	5.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	3.00	0.00
13	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	4.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	0.00	3.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	3.00
17	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
22	3.00	0.00	0.00	10.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	2.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
25	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00
26	0.00	4.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
29	4.00	0.00	0.00	2.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
30	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
31	0.00		0.00		0.00		0.00	0.00		0.00		0.00

Finch Drinking Water System

Waterworks # 210003912
System Category – Large Municipal Residential

Annual Report

Township of North Stormont

Reporting Period of January 1st – December 31st 2024

Issued: February 21, 2025

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22

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Revision History

Date	Revision #	Revision Notes
February 21, 2025	0	Issued Annual Report

Report Availability

As Finch's drinking water system is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the Township of North Stormont's municipal office, 15 Union Street, Berwick, Ontario and on the Township website (<https://www.northstormont.ca>).

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	Report Received – September 19, 2023 Inspection <ul style="list-style-type: none"> No actions identified Inspection Rating 100% Report Received – June 5, 2024 Inspection <ul style="list-style-type: none"> No action identified Inspection Rating 100%
Ministry of Labour Inspections	0
QEMS External Audit	1 (S2 Audit)
AWQI's/BWA	0/0
Non-Compliance	0
Spills	0
Watermain Breaks	0

System Process Description

Raw Source

Finch's drinking water system draws water from two groundwater production wells completed in bedrock (Well #1 and Well #2). Well #1 is a 200 mm diameter 54 m deep drilled well located inside the treatment building equipped with a submersible well pump rated at 5 L/s at 50 m total dynamic head (TDH). Well #2 is a 200 mm diameter 54 m deep drilled well located inside the treatment building equipped with a submersible well pump rated at 9.5 L/s at 44.5 m total dynamic head (TDH).

Treatment

The treatment plant is designed for 777.6 m³ per day. Contact time is provided in the plant piping, clear well and filters. The treatment facility houses a forced draft aeration tower with capacity of 8 L/s equipped with plastic packing. Sodium hypochlorite is used for primary and secondary disinfection. Sodium hypochlorite is injected by one of two chemical feed pumps prior to entry into the clear well. The clear well is constructed of reinforced concrete and has a minimum operating volume of 20.5 m³. Two high lift pumps, each with a capacity of 5 L/s at a TDH of 60 m, deliver water from the clear well to two dual media pressure filters and then to the distribution system. Operation of the high lift pumps is controlled by the water level in the elevated storage tank. The dual media pressure filters are operated in parallel. Each filter has a flow rate of 4 L/s at a filtration rate of approximately 9 m/h. The treatment plant also houses a 1.5 m diameter baffled pressure vessel for flocculation (presently unused) with a volume of approximately 4 m³. The pressure vessel provides a detention time of 8 minutes at a design flow of 8 L/s. Backwash wastewater is collected in a surge tank of approximately 15 m³ capacity. The wastewater is pumped directly from the surge tank to the sanitary sewer. Water leaving the treatment plant is continuously monitored for flow, chlorine residual and turbidity.

Distribution

The distribution system consists of an elevated storage tank and approximately 9 km of PVC distribution piping installed in the 1970's. The elevated tank is located across the street from the water treatment plant and has a storage capacity of 580 m³. It provides for peak hour demands and fire flows.

Treatment Chemicals used during the reporting year

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None to Report						

Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
None to Report				

Non-Compliance Identified in a Ministry Inspection

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
None to Report				

Flows

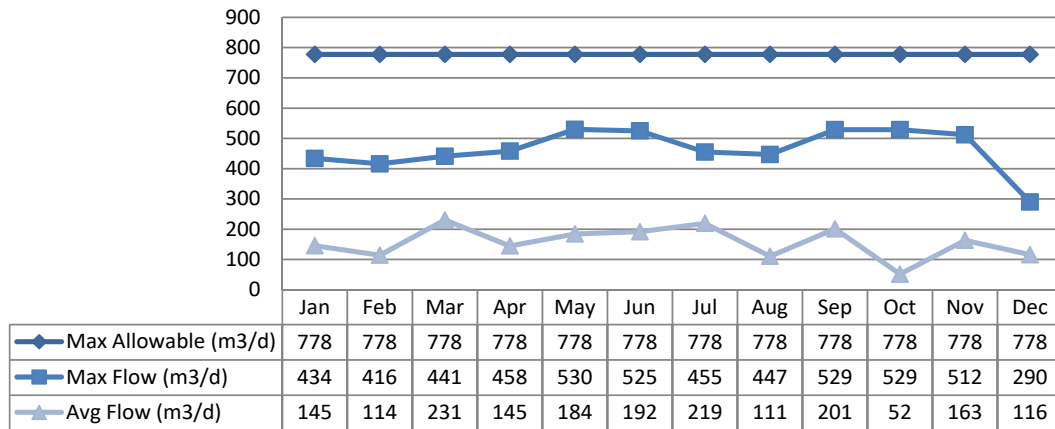
Finch's drinking water system is operating on average under half the rated capacity.

Raw Water Flows

Raw water flows are regulated under the Permit to Take Water (PTTW). Raw flow data for 2024 was submitted to the Ministry electronically under Permit #8713-C2HJT3. The submission confirmation can be found attached in Appendix A.

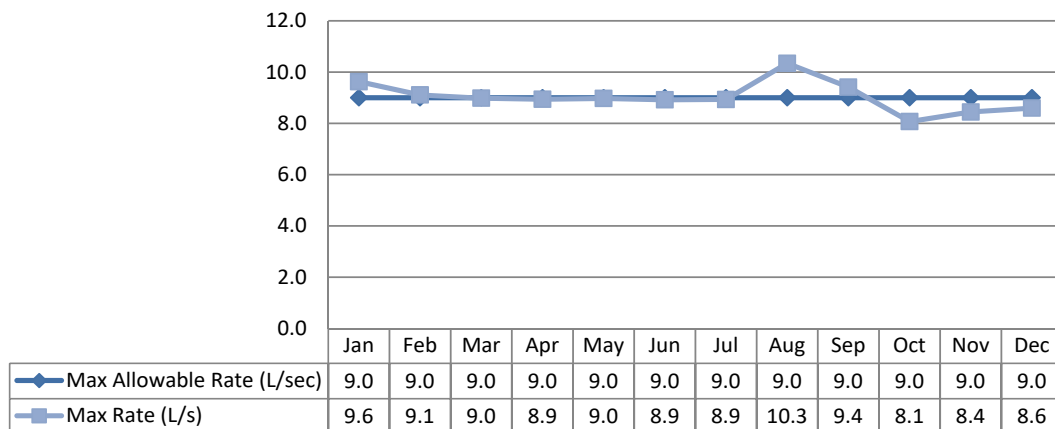
Well #1 - Flows

Max. Allowable Flow - PTTW



Well #1 - Maximum Flow Rates

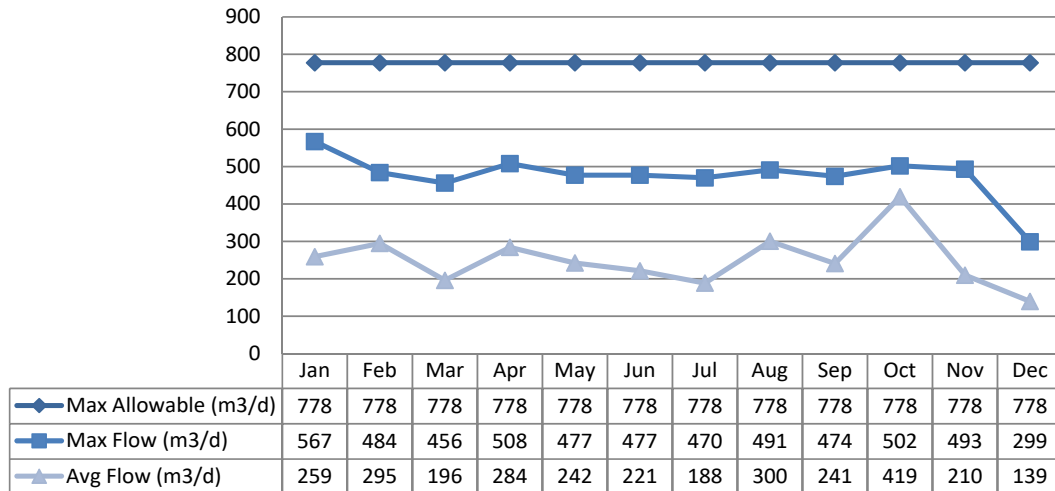
Max. Allowable Rate - PTTW



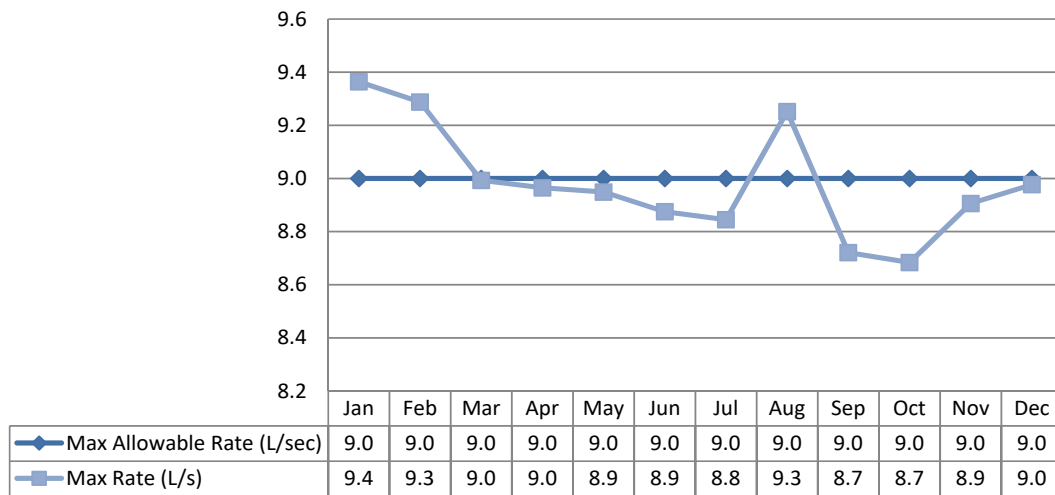
* Well #1 – Max rate above 9 L/s caused by brief spikes on start-up of less than 1 minute.

Well #2 - Flows

Max. Allowable Flow - PTTW

Well #2 - Maximum Flow Rates

Max. Allowable Rate - PTTW



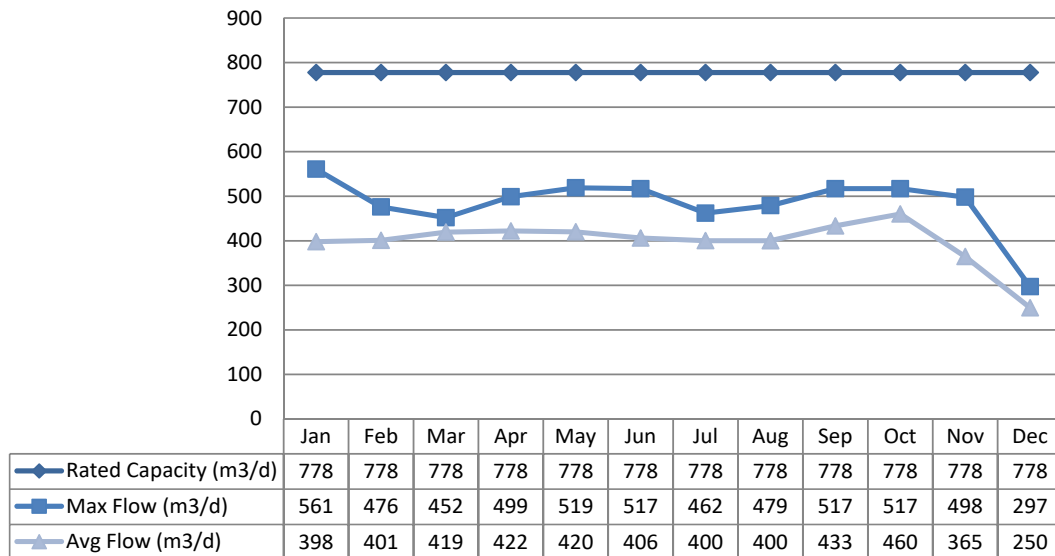
* Well #2 – Max Rate above 9 L/s caused by brief spikes on start-up of less than 1 minute.

Treated Water Flows

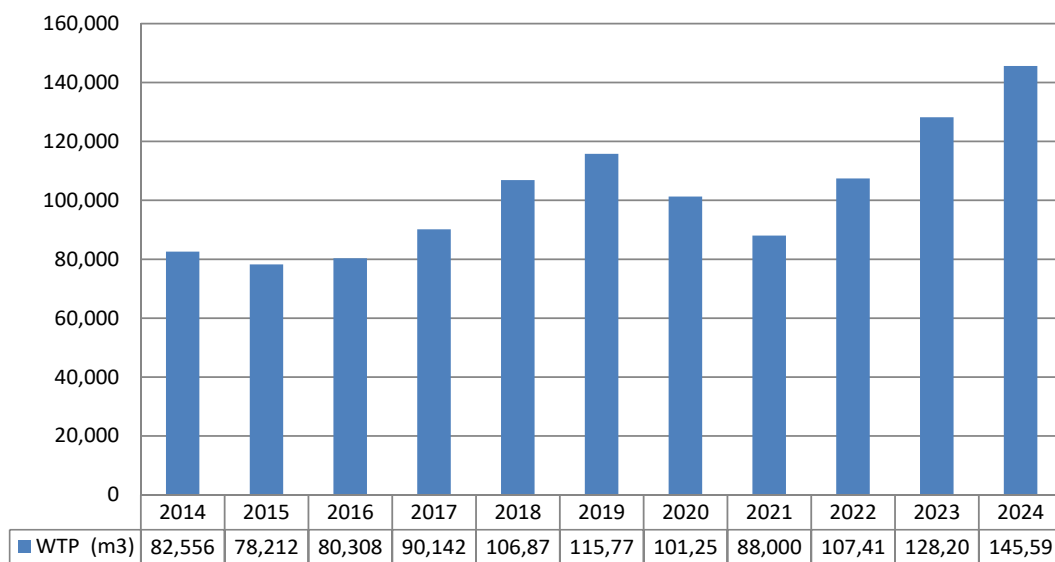
Treated water flows are regulated under the Municipal Drinking Water Licence (MDWL).

Treated Flows

Rated Capacity - MDWL



Annual Total Flow Comparison



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
Raw Well #1	52	0	0	0	18	0		
Raw Well #2	53	0	0	0	2	0		
Treated Water	53	0	0	0	0	53	2	4
Distribution Water #1	106	0	0	0	0	53	2	6

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity; In-House (NTU)- RW1	12	0.85	1.17
Turbidity; In-House (NTU)- RW2	12	0.75	1.26
Free Chlorine Residual; On-Line (mg/L)- TW	8760	0.50	3.64
Free Chlorine Residual; TW Field (mg/L) - TW	53	1.11	2.61
Free Chlorine Residual; On-Line (mg/L)- DW1	8760	0.72	1.86
Free Chlorine Residual; DW Field (mg/L) - DW1	114	0.79	2.57

NOTE: Spikes recorded by on-line instrumentation may result from air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03

Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly, and metals are tested every 36 months as required under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2024/01/08	< MDL 0.1	6	No	No
Arsenic: As (ug/L) - TW	2024/01/08	< MDL 0.1	10	No	No
Barium: Ba (ug/L) - TW	2024/01/08	472	1000	No	No
Boron: B (ug/L) - TW	2024/01/08	184	5000	No	No
Cadmium: Cd (ug/L) - TW	2024/01/08	< MDL 0.015	5	No	No
Chromium: Cr (ug/L) - TW	2024/01/08	< MDL 1	50	No	No
Mercury: Hg (ug/L) - TW	2024/01/08	<MDL 0.02	1	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Selenium: Se (ug/L) - TW	2024/01/08	< MDL 1	50	No	No
Uranium: U (ug/L) - TW	2024/01/08	0.14	20	No	No
Additional Inorganics					
Nitrate : (mg/L) - TW	2024/01/08	0.14	10	No	No
Nitrate : (mg/L) - TW	2024/04/02	0.11	10	No	No
Nitrate : (mg/L) - TW	2024/07/02	0.15	10	No	No
Nitrate : (mg/L) - TW	2024/10/07	0.06	10	No	No
Nitrite : (mg/L) - TW	2024/01/08	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/04/02	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/07/02	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/10/07	< MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW	2022/01/17	99.4	20*	Yes	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15 Sampling:

The Schedule 15 Sampling is required under O. Reg. 170/03. This system is under a reduced sampling schedule. No plumbing samples were collected. Lead samples were collected in 2023.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	4	4	300	305	N/A	N/A
pH	4	4	8.06	8.7	N/A	N/A
Lead (ug/l)	2	0	N/A	N/A	10	N/A

Organic Parameters

These parameters are tested every 36 months as a requirement under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly. Distribution samples are tested quarterly for THM's and HAA's in accordance with O. Reg. 170/03.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/01/08	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/01/08	< MDL 10	100	No	No
Alachlor (ug/L) -TW	2024/01/08	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Benzene (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/01/08	< MDL 0.006	0.01	No	Yes
Bromoxynil (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2024/01/08	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2024/01/08	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/01/08	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2024/01/08	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2024/01/08	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/01/08	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2024/01/08	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Diquat (ug/L)-TW	2024/01/08	< MDL 5	70	No	No
Diuron (ug/L)-TW	2024/01/08	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2024/01/08	< MDL 25	280	No	No
Malathion (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Metolachlor (ug/L)-TW	2024/01/08	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2024/01/08	< MDL 3	80	No	No
Paraquat (ug/L)-TW	2024/01/08	< MDL 1	10	No	No
PCB (ug/L)-TW	2024/01/08	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2024/01/08	< MDL 0.3	2	No	No
Picloram (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2024/01/08	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Terbufos (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2024/01/08	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2024/01/08	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2024/01/08	< MDL 0.2	1	No	No
HAA Total (ug/L) RAA*-DW2	2024/01/01	6.325	80	No	No
Trihalomethane: Total (ug/L) RAA*-DW1	2024/01/01	42	100	No	No

*RAA = Running Annual Average



Additional Legislated Samples

No additional sampling required.

Major Maintenance Summary

Description
<ul style="list-style-type: none"> – Completed below grade camera inspection of Well #1 – Completed leak detection on entire distribution system – Repaired services at 55 Front St., 88 Front St., 4 Front St., 12 Church St. & 8 Victoria St. – Repaired curb stop at 7 Victoria St. & 10 Casselman St. – New 2" service installed at Ball Diamond – Purchased VFD's for well pumps – Replaced alarm dialer at WTP – Rebuilt Hydrant #'s 10, 11, 16 & 17

Appendix A - WTRS Submission Confirmation



Ministry of the Environment,
Conservation and Parks

| [WT DATA](#) | [USER PROFILE](#) | [CONTACT US](#) | [HELP](#) | [HOME](#) | [LOGOUT](#) |

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:


Thank you for submitting your water taking data online.

Permit Number: 8713-C2HJT3
Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT.
Received on: Feb 5, 2025 2:08 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

[Print Confirmation](#) [Return to Main Page](#)

VANESSA GREATRIX | 2025/02/05
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

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FINCH DRINKING WATER SYSTEM / Raw Well #1												
Yearly Summary (Flow) 2024												
Annual Values and Summary						Units: cubic meter per day						
Station:						Daily Max: 530.0 on May 20						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	434.00	409.00	391.00	430.00	391.00	1.00	1.00	447.00	1.00	168.00	1.00	2.00
2	69.00	416.00	409.00	123.00	391.00	1.00	2.00	427.00	1.00	1.00	1.00	2.00
3	1.00	395.00	403.00	1.00	425.00	363.00	0.00	373.00	356.00	1.00	2.00	2.00
4	1.00	413.00	424.00	1.00	419.00	449.00	0.00	425.00	362.00	169.00	3.00	2.00
5	0.00	76.00	408.00	1.00	434.00	421.00	0.00	404.00	442.00	526.00	1.00	2.00
6	1.00	1.00	403.00	1.00	70.00	438.00	0.00	120.00	440.00	529.00	1.00	2.00
7	1.00	1.00	407.00	1.00	1.00	401.00	0.00	1.00	414.00	174.00	1.00	2.00
8	3.00	1.00	410.00	2.00	1.00	394.00	306.00	1.00	423.00	1.00	2.00	2.00
9	1.00	1.00	409.00	1.00	1.00	405.00	406.00	295.00	118.00	1.00	2.00	223.00
10	0.00	1.00	422.00	1.00	1.00	385.00	356.00	406.00	1.00	1.00	2.00	228.00
11	0.00	2.00	144.00	1.00	1.00	358.00	455.00	382.00	1.00	1.00	2.00	233.00
12	0.00	3.00	1.00	1.00	1.00	425.00	333.00	100.00	1.00	1.00	293.00	244.00
13	1.00	1.00	1.00	1.00	348.00	326.00	450.00	1.00	1.00	1.00	455.00	246.00
14	1.00	1.00	1.00	1.00	432.00	339.00	417.00	1.00	1.00	1.00	430.00	260.00
15	2.00	1.00	1.00	3.00	424.00	525.00	429.00	1.00	1.00	3.00	366.00	290.00
16	1.00	1.00	1.00	3.00	414.00	427.00	410.00	20.00	2.00	1.00	512.00	269.00
17	1.00	2.00	1.00	1.00	445.00	91.00	425.00	1.00	1.00	1.00	465.00	241.00
18	0.00	2.00	2.00	1.00	439.00	0.00	437.00	1.00	1.00	1.00	438.00	245.00
19	0.00	1.00	1.00	1.00	432.00	0.00	355.00	1.00	1.00	1.00	371.00	245.00
20	2.00	3.00	1.00	1.00	530.00	0.00	437.00	1.00	1.00	1.00	457.00	240.00
21	2.00	1.00	1.00	1.00	108.00	0.00	420.00	3.00	1.00	2.00	325.00	257.00
22	279.00	1.00	1.00	280.00	0.00	0.00	55.00	10.00	1.00	1.00	230.00	272.00
23	433.00	1.00	1.00	458.00	1.00	0.00	1.00	1.00	265.00	1.00	238.00	64.00
24	417.00	1.00	1.00	447.00	1.00	2.00	0.00	1.00	443.00	2.00	254.00	2.00
25	417.00	1.00	350.00	416.00	1.00	0.00	1.00	1.00	433.00	1.00	35.00	2.00
26	380.00	355.00	413.00	453.00	1.00	0.00	1.00	3.00	443.00	1.00	2.00	2.00
27	417.00	400.00	441.00	435.00	1.00	1.00	1.00	1.00	439.00	2.00	2.00	2.00
28	394.00	416.00	430.00	443.00	1.00	1.00	1.00	1.00	457.00	2.00	2.00	3.00
29	427.00	403.00	435.00	379.00	1.00	1.00	337.00	1.00	529.00	2.00	2.00	2.00
30	430.00		423.00	458.00	1.00	1.00	430.00	1.00	452.00	2.00	2.00	3.00
31	393.00		412.00		1.00		333.00	1.00		1.00		2.00

FINCH DRINKING WATER SYSTEM / Raw Well #2												
Yearly Summary (Flow) 2024												
Annual Values and Summary						Units: cubic meter per day						
Station:						Daily Max: 567.0 on January 15						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	444.00	470.00	0.00	445.00	296.00	395.00	248.00
2	294.00	0.00	0.00	276.00	0.00	461.00	370.00	0.00	420.00	464.00	467.00	222.00
3	357.00	0.00	0.00	437.00	0.00	77.00	418.00	0.00	92.00	486.00	426.00	236.00
4	372.00	0.00	1.00	357.00	0.00	0.00	365.00	0.00	0.00	218.00	447.00	231.00
5	433.00	311.00	0.00	461.00	0.00	0.00	426.00	0.00	0.00	0.00	410.00	274.00
6	381.00	384.00	0.00	436.00	327.00	0.00	391.00	260.00	0.00	0.00	463.00	248.00
7	434.00	427.00	0.00	433.00	437.00	0.00	455.00	440.00	0.00	313.00	431.00	252.00
8	349.00	358.00	0.00	391.00	385.00	0.00	70.00	365.00	0.00	497.00	427.00	263.00
9	355.00	430.00	0.00	454.00	375.00	0.00	0.00	117.00	295.00	483.00	475.00	14.00
10	461.00	432.00	0.00	392.00	405.00	1.00	0.00	0.00	463.00	485.00	400.00	0.00
11	317.00	412.00	315.00	431.00	468.00	0.00	0.00	0.00	375.00	476.00	493.00	0.00
12	451.00	380.00	444.00	392.00	461.00	0.00	0.00	292.00	471.00	491.00	79.00	0.00
13	366.00	350.00	430.00	454.00	74.00	0.00	0.00	400.00	403.00	483.00	0.00	0.00
14	442.00	437.00	386.00	439.00	0.00	0.00	0.00	458.00	455.00	480.00	0.00	0.00
15	567.00	358.00	453.00	426.00	0.00	0.00	1.00	328.00	455.00	488.00	0.00	0.00
16	321.00	454.00	436.00	365.00	0.00	0.00	0.00	388.00	463.00	466.00	0.00	1.00
17	468.00	384.00	444.00	430.00	0.00	371.00	0.00	491.00	445.00	415.00	0.00	0.00
18	321.00	441.00	437.00	416.00	0.00	444.00	0.00	384.00	394.00	501.00	2.00	0.00
19	453.00	439.00	403.00	405.00	0.00	397.00	0.00	470.00	474.00	485.00	0.00	0.00
20	397.00	414.00	450.00	508.00	0.00	431.00	0.00	374.00	439.00	489.00	0.00	0.00
21	410.00	365.00	448.00	405.00	308.00	369.00	0.00	389.00	467.00	500.00	0.00	0.00
22	78.00	448.00	438.00	211.00	451.00	399.00	366.00	394.00	471.00	483.00	0.00	0.00
23	0.00	350.00	456.00	0.00	390.00	450.00	365.00	391.00	194.00	430.00	0.00	239.00
24	0.00	484.00	451.00	0.00	429.00	382.00	432.00	436.00	0.00	438.00	0.00	257.00
25	0.00	430.00	80.00	0.00	453.00	477.00	370.00	422.00	0.00	391.00	225.00	244.00
26	0.00	53.00	0.00	0.00	454.00	375.00	396.00	451.00	0.00	502.00	244.00	261.00
27	0.00	0.00	0.00	0.00	383.00	380.00	441.00	406.00	0.00	473.00	214.00	261.00
28	0.00	0.00	0.00	0.00	452.00	407.00	401.00	384.00	0.00	455.00	224.00	299.00
29	2.00	0.00	0.00	1.00	402.00	401.00	103.00	426.00	0.00	421.00	216.00	273.00
30	0.00		0.00	0.00	378.00	373.00	0.00	440.00	0.00	471.00	253.00	262.00
31	0.00		0.00		477.00		0.00	405.00		415.00		238.00

Moose Creek Drinking Water System

Waterworks # 220008033
System Category – Large Municipal Residential

Annual Report

Township of North Stormont

Reporting Period of January 1st – December 31st 2024

Issued: February 21, 2025

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22

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Revision History

Date	Revision #	Revision Notes
February 21, 2025	0	Issued Annual Report

Report Availability

As Moose Creek's drinking water system is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the Township of North Stormont's municipal office located at 15 Union Street, Berwick, Ontario and on the Township website (<https://www.northstormont.ca>).

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	Report Received – October 5, 2023 Inspection <ul style="list-style-type: none"> No actions identified Inspection Rating 100% Report Received – June 5, 2024 Inspection <ul style="list-style-type: none"> No action identified Inspection Rating 100%
Ministry of Labour Inspections	0
QEMS External Audit	1 (S2 Audit)
AWQI's/BWA	0/0
Non-Compliance	0
Spills	0
Watermain Breaks	0

System Process Description

Raw Source

Moose Creek's drinking water system draws water from three wells completed in overburden sediments. Well #1R is a 200 mm diameter 15.2 m deep drilled groundwater production well equipped with a submersible well pump rated at 7.43 L/s at 14.3 m total dynamic head (TDH). Well #2 is a 200 mm diameter 30.8 m deep drilled groundwater production well equipped with a submersible well pump rated at 3.5 L/s at 40 m total dynamic head (TDH). Well #3 is a 200 mm diameter 32 m deep drilled groundwater production well equipped with a submersible well pump rated at 3.5 L/s at 42 m total dynamic head (TDH). Water from the three wells is conveyed in separate 50 mm diameter pipes to the pump house for treatment.

Treatment

Sodium hypochlorite is used for both primary and secondary disinfection. It is injected prior to discharge into a mixing chamber. After passing through the mixing chamber, the chlorinated water enters two clearwells. Two high lift pumps, each rated at 10.4 L/s at 58 m TDH, convey water from the clearwells to the distribution system. Water leaving the treatment plant is continuously monitored for flow and free chlorine residual.

Distribution

The distribution system consists of an elevated tank and approximately 7 km of PVC distribution piping installed in 1993 and 1994. The elevated storage tank is fabricated of steel and mounted on a concrete pedestal. It is located along County Road 15, west of the Village of Moose Creek and has a storage capacity of 622 m³. The storage tank provides for peak hour demands and fire flows.

Treatment Chemicals used during the reporting year

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None to report						

Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
None to report				

Non-Compliance Identified in a Ministry Inspection

Legislation	requirement(s) system failed to meet	Corrective Action	Status
None to report			

Flows

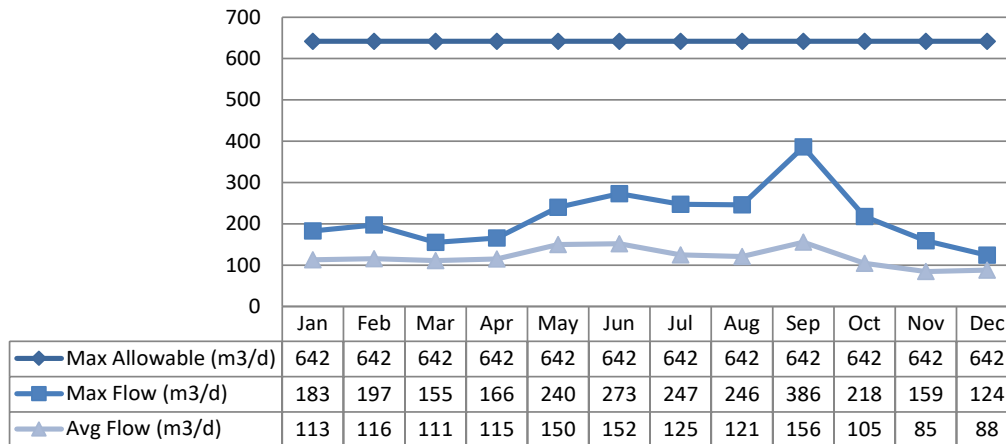
Moose Creek's drinking water system is operating on average under half the rated capacity.

Raw Water Flows

Raw water flows are regulated under the Permit to Take Water (PTTW). Raw flow data for 2024 was submitted to the Ministry electronically under Permit #4000-9YGLJP. The submission confirmation can be found attached in Appendix A.

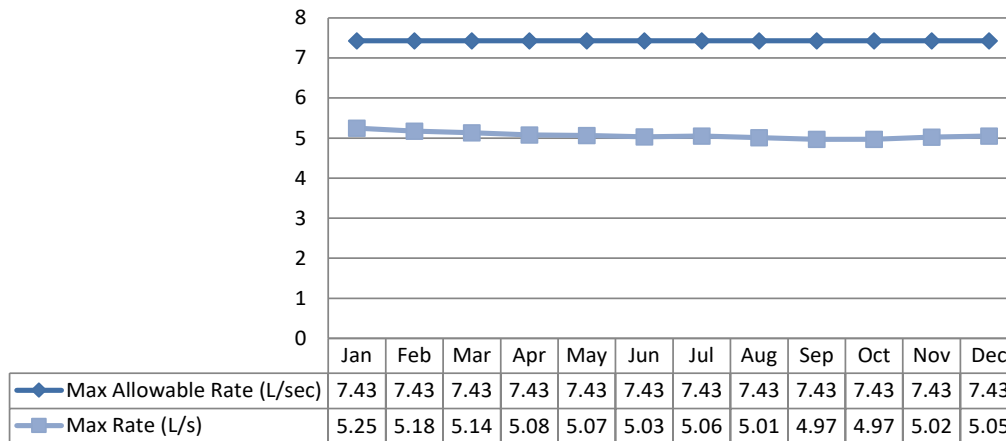
Well #1 - Flows

Max. Allowable Flow - PTTW



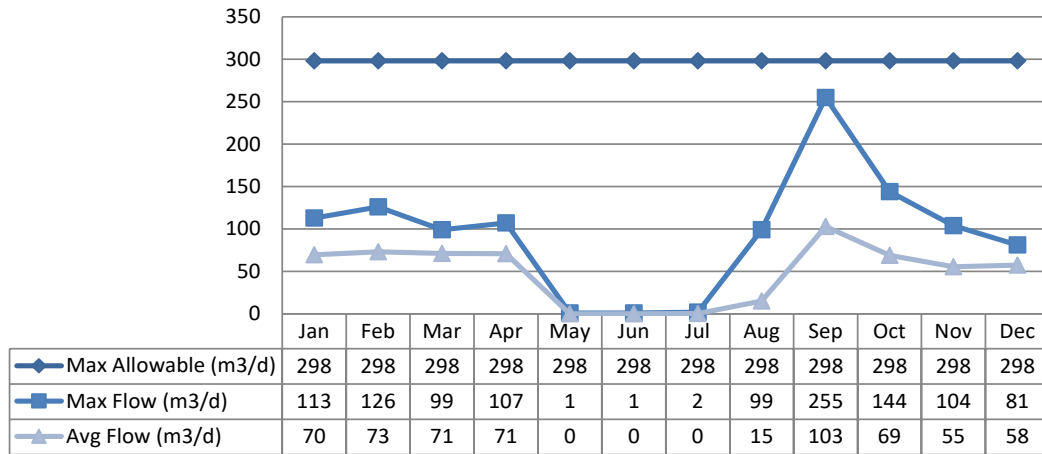
Well #1 - Maximum Flow Rates

Max. Allowable Rate - PTTW

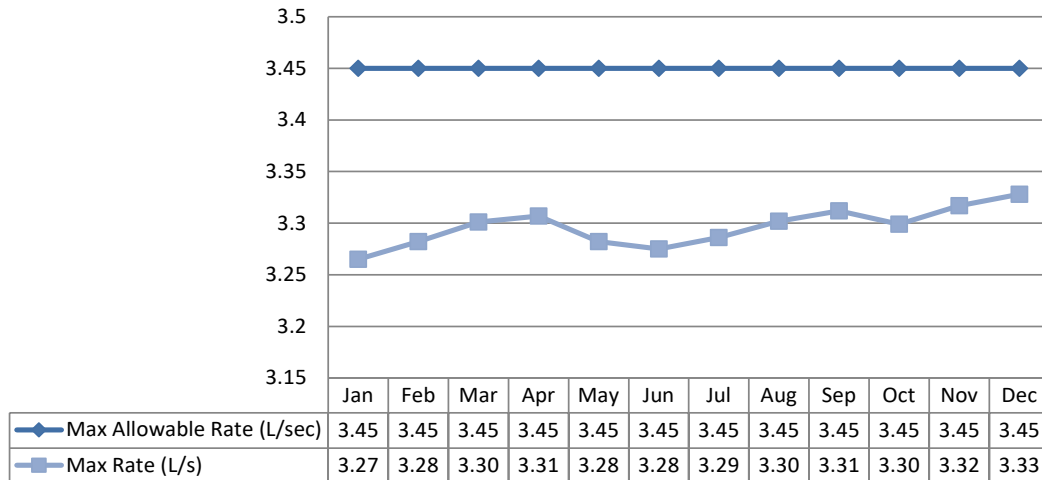


Well #2 - Flows

Max. Allowable Flow - PTTW

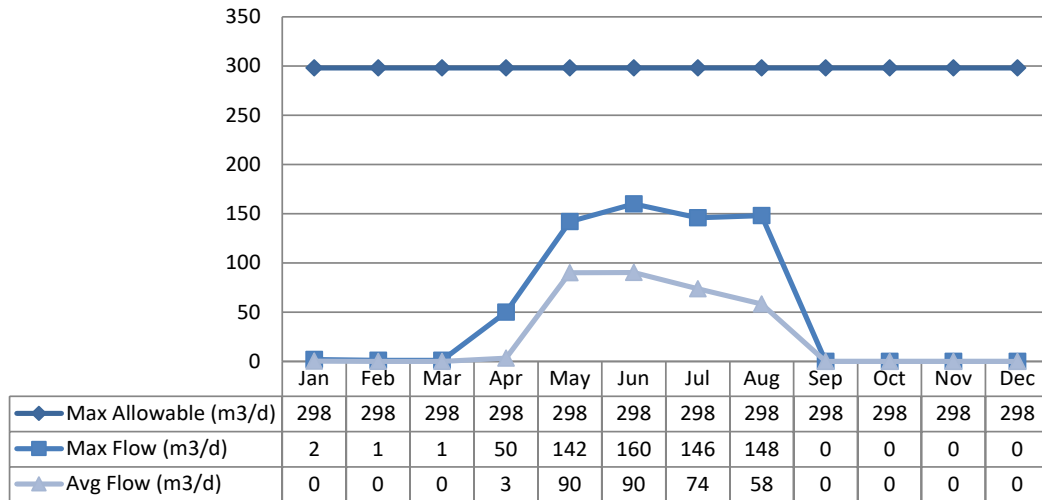
Well #2 - Maximum Flow Rates

Max. Allowable Rate - PTTW



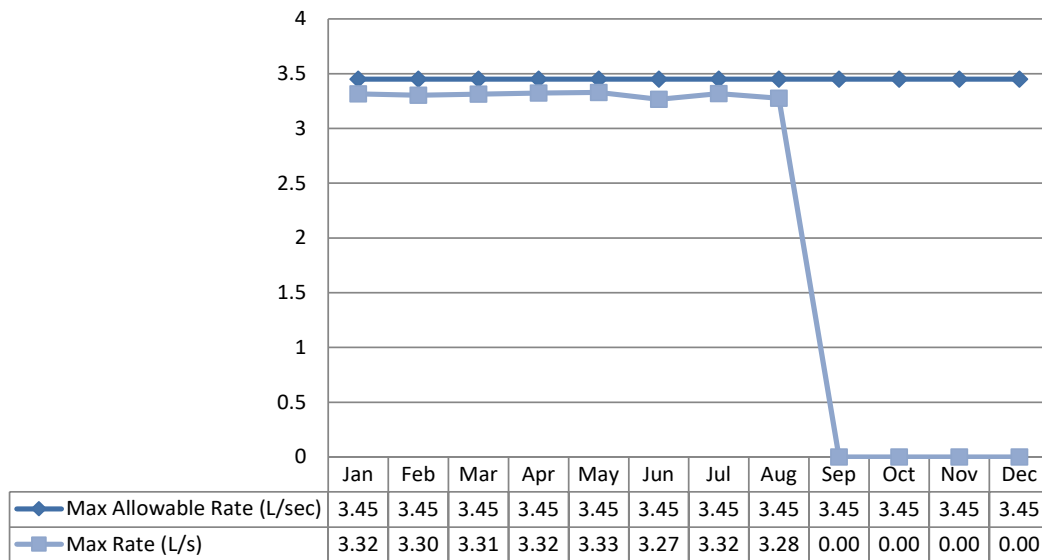
Well #3 - Flows

Max. Allowable Flow - PTTW



Well #3 - Maximum Flow Rates

Max. Allowable Rate - PTTW

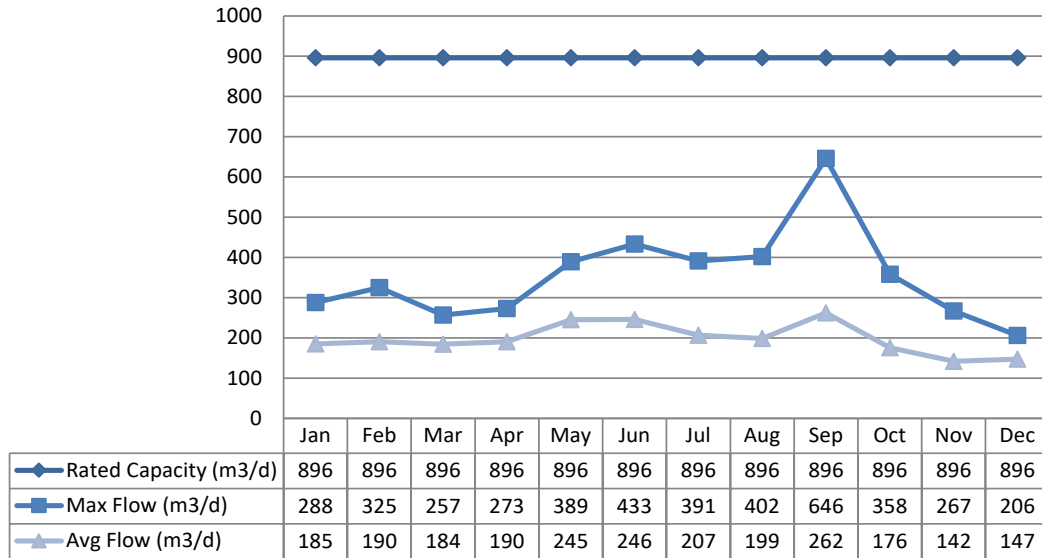


Treated Water Flows

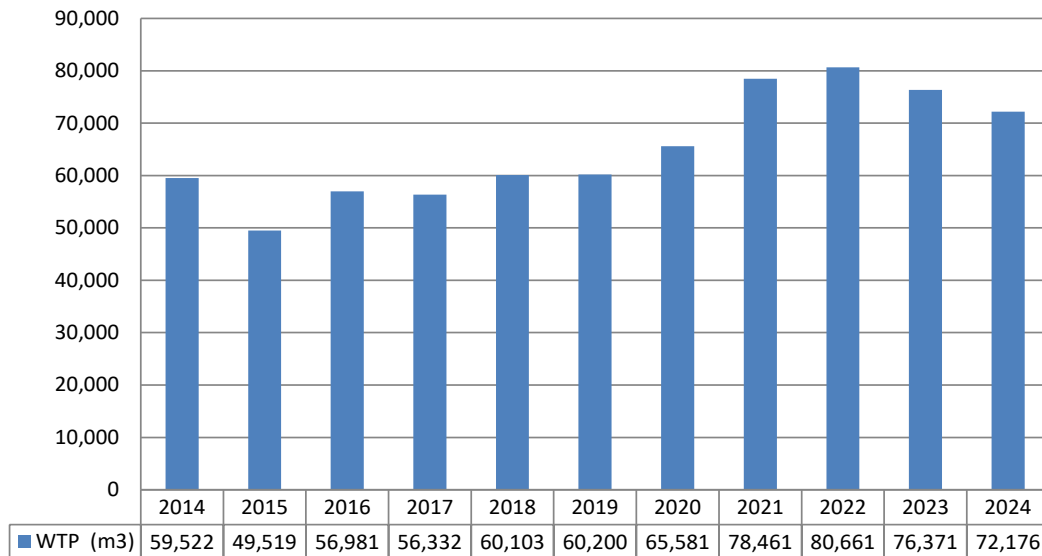
Treated water flows are regulated under the Municipal Drinking Water Licence (MDWL).

Treated Flows

Rated Capacity - MDWL



Annual Total Flow Comparison



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
Raw Water	141	0	6	0	49	0	N/A	N/A
Treated Water	53	0	0	0	0	53	2	4
Distribution Water	106	0	0	0	0	53	2	2

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity; In-House (NTU)- RW1	12	0.63	1.30
Turbidity; In-House (NTU)- RW2	12	0.73	1.40
Turbidity; In-House (NTU)- RW3	8*	0.90	1.26
Free Chlorine Residual; TW Field (mg/L) Lab Upload- TW	53	1.43	3.40
Free Chlorine Residual; On-Line (mg/L)- TW	8760	0.95	3.46
Free Chlorine Residual; On-Line (mg/L)- DW1	8760	0.29	2.34
Free Chlorine Residual; DW Field (mg/L)	109	0.55	1.88

*Well #3 Offline for drilling of replacement well.

NOTE: Spikes recorded by on-line instrumentation may result from air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03

Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly and metals are tested every 36 months as required under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2024/01/08	> MDL 0.1	6	No	No
Arsenic: As (ug/L) - TW	2024/01/08	0.1	10	No	No
Barium: Ba (ug/L) - TW	2024/01/08	184	1000	No	No
Boron: B (ug/L) - TW	2024/01/08	44	5000	No	No
Cadmium: Cd (ug/L) - TW	2024/01/08	> MDL 0.015	5	No	No
Chromium: Cr (ug/L) - TW	2024/01/08	> MDL 1	50	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Mercury: Hg (ug/L) - TW	2024/01/08	> MDL 0.02	1	No	No
Selenium: Se (ug/L) - TW	2024/01/08	> MDL 1	50	No	No
Uranium: U (ug/L) - TW	2024/01/08	0.37	20	No	No
Additional Inorganics					
Nitrate : (mg/L) - TW	2024/01/08	> MDL 0.05	10	No	No
Nitrate : (mg/L) - TW	2024/04/02	> MDL 0.05	10	No	No
Nitrate : (mg/L) - TW	2024/07/02	> MDL 0.05	10	No	No
Nitrate : (mg/L) - TW	2024/10/07	> MDL 0.05	10	No	No
Nitrite : (mg/L) - TW	2024/01/08	> MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/04/02	0.05	1	No	No
Nitrite : (mg/L) - TW	2024/07/02	> MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2024/10/07	> MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW	2022/01/17	31.5	20*	Yes	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15 Sampling:

The Schedule 15 Sampling is required under O. Reg. 170/03. This system is under a reduced sampling schedule. No plumbing samples were collected. Lead samples were collected in 2023.

Location Type	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
		Minimum	Maximum		
Lead - Pb: (µg/l)	0			10	0
Alkalinity_CaCO3: (mg/L)	4	213	220	N/A	N/A
pH Field IH	4	7.98	8.66	N/A	N/A

Organic Parameters

These parameters are tested every 36 months as a requirement under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
1,4-Dichlorobenzene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/01/08	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/01/08	< MDL 10	100	No	No
Alachlor (ug/L) -TW	2024/01/08	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Benzene (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/01/08	< MDL 0.006	0.01	No	Yes
Bromoxynil (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2024/01/08	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2024/01/08	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/01/08	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2024/01/08	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2024/01/08	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/01/08	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2024/01/08	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2024/01/08	< MDL 1	20	No	No
Diquat (ug/L)-TW	2024/01/08	< MDL 5	70	No	No
Diuron (ug/L)-TW	2024/01/08	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2024/01/08	< MDL 25	280	No	No
Malathion (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Metolachlor (ug/L)-TW	2024/01/08	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2024/01/08	< MDL 3	80	No	No
Paraquat (ug/L)-TW	2024/01/08	< MDL 1	10	No	No
PCB (ug/L)-TW	2024/01/08	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2024/01/08	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2024/01/08	< MDL 0.3	2	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Picloram (ug/L)-TW	2024/01/08	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2024/01/08	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW	2024/01/08	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2024/01/08	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2024/01/08	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2024/01/08	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2024/01/08	< MDL 0.2	1	No	No
Distribution					
HAA Total (ug/L) RAA	2024	22.4	80	No	No
Trihalomethane: Total (ug/L) RAA	2024	80.75	100	No	Yes



Additional Legislated Samples

No additional sampling required.

Major Maintenance Summary

Description
<ul style="list-style-type: none"> – Construction completed on new Well #3R – Installed new distribution chlorine analyzer at SPS – Replaced well level sensor in Well #1R – Purchased new heater for water tower – Rebuilt Hydrant #'s 16, 21, 29A & 47

Appendix A - WTRS Submission Confirmation



Ministry of the Environment,
Conservation and Parks

| [WT DATA](#) | [USER PROFILE](#) | [CONTACT US](#) | [HELP](#) | [HOME](#) | [LOGOUT](#) |

Location: [WTRS](#) / [WT DATA](#) / [Input WT Record](#)WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:


Thank you for submitting your water taking data online.

Permit Number: 4000-9YGLJP
Permit Holder: THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT.
Received on: Feb 6, 2025 11:37 AM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

[Print Confirmation](#) [Return to Main Page](#)

VANESSA GREATRIX | 2025/02/06
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

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MOOSE CREEK DRINKING WATER SYSTEM / Raw Well #1

Yearly Summary (Flow) 2024

Annual Values and Summary							Units:	cubic meter per day					
Station:							Daily Max: 386.0 on September 28						
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	113.00	105.00	82.00	149.00	168.00	208.00	116.00	94.00	141.00	218.00	61.00	69.00	
2	112.00	158.00	155.00	79.00	85.00	214.00	156.00	181.00	178.00	95.00	127.00	110.00	
3	121.00	96.00	94.00	166.00	84.00	181.00	140.00	138.00	134.00	154.00	0.00	70.00	
4	105.00	97.00	101.00	78.00	178.00	223.00	86.00	124.00	128.00	44.00	159.00	59.00	
5	158.00	158.00	141.00	82.00	101.00	200.00	168.00	139.00	93.00	120.00	62.00	116.00	
6	136.00	82.00	77.00	154.00	189.00	161.00	98.00	88.00	136.00	75.00	85.00	57.00	
7	115.00	81.00	83.00	89.00	97.00	115.00	180.00	29.00	101.00	125.00	81.00	89.00	
8	111.00	156.00	155.00	107.00	224.00	136.00	83.00	80.00	154.00	60.00	98.00	105.00	
9	104.00	81.00	88.00	136.00	89.00	107.00	123.00	161.00	143.00	87.00	75.00	61.00	
10	104.00	105.00	95.00	77.00	179.00	175.00	128.00	124.00	106.00	195.00	123.00	84.00	
11	101.00	160.00	155.00	81.00	101.00	79.00	82.00	5.00	159.00	117.00	59.00	97.00	
12	101.00	82.00	84.00	158.00	133.00	187.00	164.00	191.00	111.00	144.00	99.00	57.00	
13	124.00	139.00	78.00	91.00	147.00	91.00	110.00	110.00	160.00	143.00	85.00	115.00	
14	115.00	109.00	118.00	117.00	80.00	150.00	108.00	246.00	167.00	116.00	56.00	67.00	
15	106.00	78.00	133.00	136.00	156.00	141.00	135.00	163.00	190.00	182.00	96.00	124.00	
16	98.00	123.00	93.00	120.00	134.00	176.00	106.00	157.00	127.00	64.00	91.00	91.00	
17	160.00	130.00	96.00	123.00	107.00	273.00	106.00	86.00	133.00	60.00	95.00	92.00	
18	127.00	99.00	153.00	90.00	186.00	176.00	147.00	102.00	69.00	117.00	106.00	57.00	
19	102.00	162.00	123.00	149.00	148.00	177.00	102.00	121.00	115.00	68.00	58.00	117.00	
20	113.00	86.00	82.00	158.00	176.00	162.00	107.00	87.00	125.00	137.00	115.00	59.00	
21	113.00	84.00	69.00	99.00	81.00	99.00	198.00	147.00	170.00	65.00	68.00	103.00	
22	101.00	161.00	144.00	164.00	172.00	171.00	100.00	86.00	159.00	113.00	60.00	97.00	
23	96.00	79.00	154.00	87.00	240.00	113.00	188.00	117.00	123.00	77.00	117.00	118.00	
24	104.00	93.00	93.00	85.00	187.00	151.00	54.00	127.00	85.00	56.00	81.00	68.00	
25	100.00	161.00	129.00	156.00	114.00	97.00	0.00	99.00	153.00	63.00	64.00	69.00	
26	183.00	83.00	143.00	84.00	231.00	78.00	175.00	135.00	120.00	118.00	118.00	121.00	
27	106.00	142.00	75.00	102.00	124.00	164.00	247.00	137.00	194.00	72.00	59.00	67.00	
28	110.00	67.00	89.00	160.00	190.00	86.00	121.00	97.00	386.00	121.00	58.00	119.00	
29	106.00	197.00	137.00	83.00	162.00	92.00	86.00	150.00	379.00	61.00	87.00	85.00	
30	95.00		85.00	83.00	172.00	167.00	177.00	108.00	228.00	62.00	92.00	115.00	
31	67.00		135.00		218.00		85.00	121.00		115.00		69.00	

MOOSE CREEK DRINKING WATER SYSTEM / Raw Well #2


Yearly Summary (Flow) 2024

Annual Values and Summary												
Station:												
Units: cubic meter per day												
Daily Max: 255.0 on September 28												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	70.00	66.00	52.00	96.00	0.00	0.00	0.00	0.00	93.00	144.00	40.00	45.00
2	68.00	99.00	99.00	50.00	0.00	0.00	1.00	0.00	117.00	63.00	83.00	72.00
3	75.00	60.00	60.00	107.00	0.00	1.00	0.00	0.00	89.00	102.00	0.00	46.00
4	65.00	61.00	63.00	51.00	0.00	0.00	0.00	0.00	85.00	29.00	104.00	38.00
5	97.00	99.00	90.00	53.00	0.00	0.00	0.00	0.00	61.00	80.00	41.00	75.00
6	84.00	52.00	50.00	100.00	1.00	0.00	0.00	1.00	90.00	50.00	56.00	37.00
7	70.00	52.00	53.00	58.00	0.00	0.00	0.00	0.00	67.00	83.00	54.00	58.00
8	67.00	98.00	99.00	68.00	0.00	0.00	1.00	0.00	102.00	40.00	65.00	69.00
9	64.00	51.00	56.00	88.00	0.00	0.00	0.00	0.00	95.00	57.00	49.00	40.00
10	64.00	66.00	61.00	50.00	0.00	1.00	0.00	0.00	71.00	127.00	81.00	55.00
11	62.00	101.00	98.00	53.00	0.00	0.00	0.00	0.00	105.00	77.00	39.00	64.00
12	62.00	52.00	54.00	102.00	0.00	0.00	0.00	1.00	73.00	95.00	65.00	37.00
13	76.00	88.00	51.00	59.00	1.00	0.00	0.00	0.00	106.00	94.00	56.00	75.00
14	71.00	69.00	76.00	76.00	0.00	0.00	0.00	0.00	110.00	76.00	37.00	44.00
15	64.00	50.00	85.00	87.00	0.00	0.00	2.00	0.00	125.00	119.00	63.00	81.00
16	60.00	78.00	60.00	77.00	0.00	0.00	0.00	0.00	84.00	42.00	60.00	60.00
17	98.00	82.00	61.00	79.00	0.00	1.00	0.00	0.00	88.00	39.00	62.00	60.00
18	78.00	63.00	97.00	58.00	0.00	0.00	0.00	0.00	46.00	77.00	69.00	37.00
19	63.00	103.00	79.00	97.00	0.00	0.00	0.00	1.00	76.00	45.00	38.00	77.00
20	70.00	54.00	52.00	103.00	0.00	0.00	0.00	0.00	83.00	90.00	75.00	39.00
21	69.00	54.00	53.00	64.00	1.00	0.00	0.00	0.00	112.00	43.00	44.00	67.00
22	61.00	102.00	93.00	106.00	0.00	0.00	1.00	0.00	105.00	74.00	39.00	64.00
23	59.00	50.00	99.00	57.00	0.00	0.00	0.00	0.00	81.00	51.00	76.00	77.00
24	64.00	59.00	60.00	56.00	0.00	0.00	0.00	0.00	56.00	37.00	53.00	44.00
25	62.00	102.00	82.00	101.00	0.00	0.00	0.00	0.00	101.00	42.00	42.00	45.00
26	113.00	52.00	91.00	55.00	0.00	0.00	0.00	58.00	79.00	78.00	77.00	79.00
27	66.00	90.00	49.00	67.00	1.00	0.00	0.00	90.00	129.00	48.00	39.00	44.00
28	69.00	43.00	57.00	104.00	0.00	0.00	0.00	64.00	255.00	80.00	38.00	78.00
29	66.00	126.00	88.00	1.00	0.00	0.00	1.00	99.00	252.00	40.00	57.00	56.00
30	60.00		55.00	0.00	0.00	0.00	0.00	71.00	151.00	41.00	60.00	75.00
31	42.00		87.00		0.00		0.00	80.00		76.00		45.00

MOOSE CREEK DRINKING WATER SYSTEM / Raw Well #3

Yearly Summary (Flow) 2024

Annual Values and Summary												
Station:												
Units: cubic meter per day												
Daily Max: 160.0 on June 17												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	102.00	125.00	66.00	56.00	0.00	0.00	0.00	0.00
2	2.00	0.00	0.00	1.00	52.00	128.00	88.00	107.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	51.00	107.00	79.00	80.00	0.00	0.00	0.00	0.00
4	0.00	0.00	1.00	0.00	108.00	133.00	49.00	71.00	0.00	0.00	0.00	0.00
5	0.00	1.00	0.00	0.00	61.00	119.00	95.00	81.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	114.00	96.00	59.00	50.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	59.00	68.00	108.00	17.00	0.00	0.00	0.00	0.00
8	1.00	0.00	0.00	1.00	136.00	81.00	49.00	46.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	54.00	64.00	74.00	93.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	109.00	103.00	76.00	71.00	0.00	0.00	0.00	0.00
11	0.00	0.00	1.00	0.00	61.00	47.00	49.00	3.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	81.00	111.00	99.00	114.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	89.00	54.00	66.00	66.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	48.00	89.00	65.00	148.00	0.00	0.00	0.00	0.00
15	1.00	0.00	0.00	1.00	94.00	83.00	81.00	98.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	1.00	81.00	104.00	64.00	95.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	64.00	160.00	63.00	52.00	0.00	0.00	0.00	0.00
18	0.00	0.00	1.00	0.00	112.00	105.00	88.00	61.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	89.00	106.00	60.00	72.00	0.00	0.00	0.00	0.00
20	0.00	1.00	0.00	0.00	105.00	97.00	64.00	52.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	48.00	59.00	118.00	89.00	0.00	0.00	0.00	0.00
22	1.00	0.00	0.00	0.00	102.00	102.00	58.00	52.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	142.00	68.00	112.00	71.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	111.00	90.00	32.00	76.00	0.00	0.00	0.00	0.00
25	0.00	0.00	1.00	0.00	67.00	58.00	0.00	60.00	0.00	0.00	0.00	0.00
26	0.00	1.00	0.00	0.00	136.00	47.00	104.00	28.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	73.00	98.00	146.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	113.00	52.00	72.00	0.00	0.00	0.00	0.00	0.00
29	1.00	0.00	0.00	49.00	97.00	55.00	50.00	0.00	0.00	0.00	0.00	0.00
30	0.00		0.00	50.00	103.00	100.00	105.00	0.00	0.00	0.00	0.00	0.00
31	0.00		0.00		131.00		51.00	0.00		0.00		0.00

 The Corporation of the Township of NORTH STORMONT		Report No. ADMIN-05- 2025
Agenda Date:	March 11, 2025	
Subject:	Community Improvement Advisory Committee	
Attachments:		

1.0 RECOMMENDATION

THAT the Council of the Township of North Stormont accepts and approves report 05-2025 from the CAO/Clerk to appoint the following persons to the Community Improvement Advisory Committee for the term of Council:

- (1) Deputy Mayor Steve Densham
- (2) Councillor Bugelli
- (3) CAO, Craig Calder
- (4) CBO, Andre Brisson
- (5) Connie-Blanchard-Nielsen (Public Member)

2.0 LEGAL DESCRIPTION

N/A

3.0 BACKGROUND

Reports had been reviewed by Council in 2018 and early 2019. Council adopted the Community Improvement Plan (CIP) on February 12th, 2019. The April 23, 2019 Council meeting did include a report (EPR-006-2019) that included the appointment of Advisory members, for the last term of Council, and included the Terms of Reference for the Community Improvement Advisory Committee. The Advisory Committee members will evaluate any/all applications and meet to discuss the merits of all applications. The Committee was/will be responsible for providing recommendations to Council to award grant amounts under the CIP program.

The April 23, 2019 report also suggested four (4) intake dates annually, subject to funds being available.

4.0 POLICY CONSIDERATION

Planning Act

5.0 ANALYSIS

The CAO is suggesting Council appoint the elected representatives identified in this report. Administration is further suggesting the identified employees (Craig Calder and Andre Brisson) be appointed to participate in the Committee.

Administration did post a public expression of interest to identify one (1) member of the public to participate in the Committee review process. The public posting closed on February 28th, 2025. The Township received one (1) application. The application were scrutinized and reviewed by Administration. The applicant does possess the skills and experience to support, and compliment, the Committee membership.

Administration is recommending Connie Blanchard-Nielsen be appointed and participate as the public member. Administration is seeking Council endorsement of Connie Blanchard-Nielsen as part of the public appointment process for the duration of this term of Council.

6.0 ENVIRONMENTAL CONSIDERATIONS

N/A

7.0 RECOMMENDED CONDITIONS

THAT the Council of the Township of North Stormont appoint the following persons to the Community Improvement Advisory Committee for the term of Council:

- (1) Deputy Mayor Steve Densham
- (2) Councillor Bugelli
- (3) CAO, Craig Calder
- (4) CBO, Andre Brisson
- (5) Connie Blancard- Nielsen (Public Member)

8.0 ALTERNATIVES

THAT the Council of the Township of North Stormont direct Administration to appoint members of the Committee identified at the March 11, 2025 Council meeting.

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:

Yes **X** No ☐ N/A ☐

This item is within the approved budgeted amount:

Yes **X** No ☐ N/A ☐

This item is mandated by the Provincial/Federal Government:

Yes ☐ No **X** N/A ☐

Prepared By:



Craig Calder
CAO/Clerk

**Reviewed and submitted
by:**




Craig Calder
CAO/Clerk

**Submitted for Council
consideration by:**



Craig Calder
CAO/Clerk

 The Corporation of the Township of NORTH STORMONT		Report No. ADMIN-06- 2025
Agenda Date:	March 11, 2025	
Subject:	Emergency Management - Volunteer Agreement Extension	
Attachments:	<input type="checkbox"/> VOLUNTEER AGREEMENT (Letter for 1 year Extension)(Feb 21 2025) <input type="checkbox"/> VOLUNTEER AGREEMENT (Mar 7 2022)	

1.0 RECOMMENDATION

THAT the Council of the Township of North Stormont receives report 06-2025 from the CAO/Clerk and approve the request, for a one (1) year extension to the emergency management volunteer agreement with Sauvetage Benevole Outaouais Ottawa Volunteer Search & Rescue (SBO-OVSAR).

2.0 LEGAL DESCRIPTION

N/A

3.0 BACKGROUND

The Township completes a comprehensive annual Emergency Management Plan review as required by the Province of Ontario. The Emergency Management Plan is the organization and management of the resources and responsibilities for dealing with all aspects of emergencies. The focus of emergency management, within the province and Township, is the protection of residents, infrastructure, property and the environment, and support municipal operational continuity in times of crisis.

In January 2022, Council approved Resolution 17-2022 and the Township entered into a three (3) year agreement with the volunteer search and rescue group. There is no cost to the ratepayer and these services have proven to be a valuable asset in other municipalities, and first responder organizations, like the City of Ottawa and the OPP, to support staff in times of crisis. The current Agreement and a letter of support from the SBO-OVSAR volunteer organization, for the one (1) year extension, is attached for Council perusal.

The duties that the Search & Rescue group can perform are below:

Sauvetage Bénévole Outaouais - Ottawa Volunteer Search and Rescue (SBO-OVSAR) can provide the following services:

1. Coordination of spontaneous volunteers

- Organizing and managing untrained volunteers who arrive on-site during emergencies

2. Door-to-door visits

- Conducting wellness visits, follow-ups with vulnerable residents, and delivering notifications as needed.

3. Traffic control

- Supporting roadblocks, maintaining perimeter security, and assisting with traffic flow as directed.

4. Crowd management

- Assisting at reception centres, emergency shelters, cooling/warming centres, or other areas requiring crowd control.

5. Evacuation support

- Assisting with evacuation efforts, including door-to-door notifications and support at evacuation centres. This also includes aiding residents in returning to their homes.

6. Commodity distribution

- Distributing emergency supplies such as food, water, and essential goods.

7. GIS data collection

- Gathering geographic information system (GIS) data, including rapid damage inventories, task statuses, and incident hazards, on foot, by vehicle, or with drones.

8. Field communications

- Providing two-way radios, amateur radios, satellite phones, and mobile Starlink antennae to enhance emergency communication capabilities.

9. Field First Aid

- Administering initial first aid, supporting triage efforts, and assisting in the safe removal of victims from hazardous situations.

10. Incident management support

- Offering direct support to incident management in the field or within the Emergency Operations Centre (EOC).

11. Emergency preparedness

- Delivering field demonstrations and targeted presentations to enhance community preparedness.

12. Other services

- Providing additional services as discussed and mutually approved by both SBO-OVSAR and the City of Ottawa.

4.0 POLICY CONSIDERATION

N/A

5.0 ANALYSIS

As indicated in the 2022 CAO report, the foundation of emergency management activities/planning is on five elements and include prevention, reducing the potential risk, emergency preparation and response and recovery plans. During the review phase, the CAO did recognize a risk in internal Township resources should a large scale emergency situation arise. Limited staff resources (predominantly Public Works and Fire Service staff) will be focused on life/safety/transportation operations.

The remaining limited municipal staff compliment will be committed to administrative supports during any emergency. Sauvetage Benevole Outaouais - Ottawa Volunteer Search & Rescue (SBO-OVSAR) mission is to provide search and rescue operations, support emergency management organizations and provides public awareness and prevention programs. This volunteer agency has a volunteer membership of 140 + and are available 24/7 to support partner agencies. The groups experience includes, but is not limited too, Coordination of public volunteer resources (City of Ottawa), door to door advisories/visiting vulnerable residents. The group assists with perimeter containment/controls, can assist with resident evacuation activities, support municipally operated reception/triage areas. They can assist with field damage assessment and assist in establishing local area communications networks.

The Search and Rescue volunteer team has extensive training and is ICS/IMS 100/200 trained, all provide criminal records checks for the vulnerable sector prior to joining SBO-OVSAR. The group has extensive equipment that the Township does not have within its inventory. The volunteer ground search and rescue has drones available and their team members have advanced first aid training. Please see the full list of assets from the volunteer organization:

Key Equipment

- Mobile incident command post trailer
- Trucks (2)
- Side-by-side UTV - 6 passengers (1)
- 3 drones with day and infrared cameras, including 1 all weather
- Digital radios and repeater
- InReach satellite communicators (3)
- Mobile StarLink antennae (2)
- GPS units
- Evacuation baskets (2) and sked
- Computers and printer for incident management, field mapping and

documentation

The current Agreement has reached the three (3) year anniversary/threshold and the Agreement (item 13) does include a clause for a one (1) year extension on mutual consent.

As indicated in 2022, the CAO has had the privilege to have previous experience with this volunteer agency in supporting BWA advisories in another municipality. The SBO-OVSAR supports have expanded within the geographical boundaries of our urban neighbor due to their training, resources, equipment, dedication and professionalism. The SBO-OVSAR's commitment to supporting municipal activities during a crisis will be a significant resource to ensure constituent safety is maintained in any future emergency situations.

There is no cost to the Township for this emergency support offered by SBO-OVSAR. The SBO-OVSAR will provide training to our Fire Services staff and will participate in any practical training exercises with our volunteer first responders. SBO-OVSAR does require a Resolution of Council endorsing this one (1) year extension to bring to their Board for approval. The CAO has every expectation that a new three (3) contract should be reviewed, and entered into, when the current Agreement expires (with the approval of the 1 year extension) in March 2026.

6.0 ENVIRONMENTAL CONSIDERATIONS

N/A

7.0 RECOMMENDED CONDITIONS

THAT Council receive this report and support and approve the one (1) year extension of the Agreement with the volunteer search & rescue group SBO-OVSAR.

8.0 ALTERNATIVES

THAT Council not support the Agreement extension with SBO-OVSAR.

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
This item is within the approved budgeted amount:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
This item is mandated by the Provincial/Federal Government:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>

Prepared By:



**Craig Calder
CAO/Clerk**

**Reviewed and submitted
by:**



**Craig Calder
CAO/Clerk**

**Submitted for Council
consideration by:**



**Craig Calder
CAO/Clerk**



Sauvetage Bénévole Outaouais – Ottawa Volunteer Search and Rescue (SBO—OVSAR)

Pursuant to Section 13 of the Emergency Management Volunteer Agreement signed between SBO-OVSAR and the Corporation of the Township of North Stormont on March 7, 2022, this is to confirm SBO-OVSAR's consent to renew the agreement as is for a term of one year, subject to subsequent renewals as described in Section 13.

Signed on February 21, 2025 in Ottawa, Ontario

Daniel Boulet

President

Sauvetage Bénévole Outaouais – Ottawa Volunteer Search and Rescue



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**NORTH
STORMONT NORD**
A good place to grow
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EMERGENCY MANAGEMENT – VOLUNTEER AGREEMENT

THIS AGREEMENT dated the 7th day of March 2022.

BETWEEN:

**SAUVETAGE BÉNÉVOLE OUTAOUAIS
OTTAWA VOLUNTEER SEARCH AND RESCUE (SBO-OVSAR)
(Hereinafter called “SBO-OVSAR”)**

-And -

**THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT
(Hereinafter called the “Township”)**

WHEREAS Sauvetage Bénévole Outaouais - Ottawa Volunteer Search and Rescue (SBO-OVSAR) is a not-for-profit, volunteer organization that assists individuals and communities through search and rescue operations, education and prevention programs, and support to emergency response organizations; and

WHEREAS SBO-OVSAR wishes to assist the Township of North Stormont in the event of a situation by providing their services; and

WHEREAS the Township of North Stormont and SBO-OVSAR wish to work together so that the SBO-OVSAR can assist in the response to a situation when requested by the Township of North Stormont.

NOW THEREFORE the parties agree as follows:

1. In the event of a situation within the meaning of the North Stormont Emergency Management Plan, as declared by the Township of North Stormont, SBO-OVSAR may establish a self-sustainability infrastructure, as required, to support the Township of North Stormont during a situation.
2. SBO-OVSAR, in providing their services during the situation, shall perform the services, at no cost to the Township.

3. SBO-OVSAR will provide an up-to-date telephone contact number to be contacted in the event of a situation.

4. If the Township of North Stormont requests its services, SBO-OVSAR shall provide services to the Township of North Stormont taking into consideration all concurrent requests.

5. The service area requiring services may encompass the geographic area of the Township of North Stormont.

SBO-OVSAR RESPONSIBILITIES

6. SBO-OVSAR and its membership shall, at no cost to the Township of North Stormont, provide their own material and equipment necessary for providing services.

7. Any loss or damage to material or equipment used or owned by SBO-OVSAR membership shall be the responsibility of SBO-OVSAR members.

8. SBO-OVSAR shall provide to the Township of North Stormont a list of members signed by such members who participated in providing services during a situation.

9. SBO-OVSAR shall ensure that all its members have valid criminal records check and are registered with the of North Stormont as a volunteer.

TOWNSHIP OF NORTH STORMONT RESPONSIBILITIES

10. Notification of a situation shall only be issued by the Township of North Stormont Community Emergency Management Coordinator (CEMC) or the authorized representative to any one or more of SBO-OVSAR members identified on the contact list.

11. The Township of North Stormont is not obliged to utilize the services of SBO-OVSAR or its members.

12. The Township of North Stormont shall ensure that SBO-OVSAR is provided with opportunities to participate in training and exercises with the Township Fire Services and partner emergency response agencies. This will be accomplished through annual review and forward planning.

TERM

13. The term of this agreement shall be three (3) years from the date of this agreement and shall be renewable for further terms of one (1) year on mutual consent in writing of the parties prior to the end of expiry of the term of this agreement or any subsequent renewal.

GENERAL

14. All SBO-OVSAR members shall comply with all applicable laws, rules, and regulations in the performance of the services provided to the Township of North Stormont.

15. SBO-OVSAR is an independent volunteer organization and this agreement in no way constitutes or establishes any right or authority by either the Township of North Stormont or SBO-OVSAR and its members, to act as an agent or in any other manner on behalf of or as a representative of the other for any purpose whatsoever.

16. This agreement may be terminated at any time by either party on written notice or such termination shall take on the date specified in such notice.

17. Notices may be sent by telephone, facsimile, mail or personally delivered to the address or telephone numbers or facsimile numbers provided by the parties and shall be effective four (4) days after mailing or at the time of delivery in the case of telephone, facsimile, or personal delivery.

18. Neither party shall assign this agreement without prior written consent of the other party.

IN WITNESS WHERE OF the parties have executed this agreement by their proper authorized signing officers.

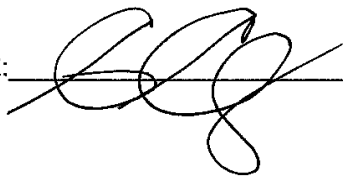
SIGNATURE: _____


Lynn Dupuis, President
SBO-OVSAR



SIGNATURE: _____

Craig Calder
CAO/Clerk



 <div> The Corporation of the Township of NORTH STORMONT </div>		Report No. ADMIN-07- 2025
Agenda Date:	March 11, 2025	
Subject:	Human Resource Policy	
Attachments:		

1.0 **RECOMMENDATION**

THAT the Council of the Township of North Stormont receive report 07-2025 from the CAO/Clerk to endorse and approve the changes to the Human Resources Policy as follows:

Changes specific to sick days by reducing sick days to ten (10) annually, and includes Special Leave. Further, the cessation of annual payout of unused sick time.

2.0 **LEGAL DESCRIPTION**

N/A

3.0 **BACKGROUND**

The Township's existing HR Policy (07-2024) has been reviewed and amended regularly to ensure the document is kept current to embed best practices and reflects community, and employee, expectations. The current version of the Policy, and the Sections specifically referenced in the "Recommendations" section of this report have remained unchanged for at least the last ten (10) years approximately.

Currently, staff are entitled to a total of eighteen (18) sick days in a calendar year. These 18 sick days are not required to be certified. The number of uncertified sick days has remain unchanged since at least 2015. In 2020, an adjustment had been made which permitted staff to utilize up to nine (9) days of the eighteen (18) sick days to attend personal medical appointments, medical appointments for dependents or to care for sick dependents {Section 16(1)(b)}.

A jurisdictional scan was conducted with partner Townships within the County

and the CAO also collected sick day allowances for urban municipalities including Ottawa and Mississauga for a robust comparison. The sick time allotment for each is listed below:

- (1) North Dundas - eight (8) days
- (2) South Glengarry - eight (8) days
- (3) South Stormont - eight (8) (personal) days - 8 days encompasses/includes sick, personal, floater days
- (4) North Glengarry - nine (9) days
- (5) South Dundas - ten (10) days
- (6) SDG Counties - eight (8) days
- (7) Mississauga - six (6) days
- (8) Ottawa - eight (8) days (special leave is an addition leave that provides staff with an additional 28 hours)

The average sick day allotment for our SDG counterparts is 8.5 days per calendar year.

Please note, the CAO did confirm the following to ensure a comprehensive comparison on staff time was included in this report. North Stormont full-time employees receive one floater day (0-3 years of employment) and two (2) floater days (after 3 years) each calendar year. The following reflects "floater days" for staff for each of our partners organizations:

- (1) North Dundas - 2 "Personal" Days
- (2) South Glengarry - 2 Floater Days
- (3) South Stormont - No dedicated "Floater Days" - all inclusive in personal days (See above)
- (4) North Glengarry - 1 Floater Day (1 day in lieu of Remembrance Day)
- (5) South Dundas - 1 Floater Day
- (6) SDG Counties - 2 Floater Days
- (7) Mississauga - 2 Floater Days (1 day in lieu for Easter and 1 in lieu of Remembrance Day)
- (8) Ottawa - No Floater Days

North Stormont employees are responsible for payment for short-term and long-term disability benefits coverage. The Township is responsible for all other benefit costs. The amount deducted during each pay period varies and is salary dependent. The following is a jurisdictional scan of partner Townships on staff responsibilities for payment of any benefits:

- (1) North Dundas - Township pays full benefits coverage
- (2) South Glengarry - Township pays full benefits coverage
- (3) North Glengarry - Staff responsible for long-term disability payments,

Township responsible for short-term

(4) South Dundas - Township covers short-term internally, Township responsible for long-term disability payments

(5) South Stormont - Staff responsible for short-term and long-term benefits - 1.7% deducted from gross pay

(6) SDG Counties - Counties pays for full benefits coverage

Section 16.2 stipulates 50% of unused sick days accumulated in the year will be paid out in January the following year, the other 50% will be disposed of. Sick days cannot be carried forward to the next year and no accumulated sick leave will be paid out upon termination or resignation. Further, Section 16.3 of the current HR Policy allows employees to utilize their accrued sick days to pay the employee benefits portion premium.

Comparisons for neighboring Townships that payout sick leave annually are as follows:

(1) North Dundas - 50% payout of unused sick days

(2) South Glengarry - 50% payout or carry forward 50% to maximum of 12 days for future use

(3) North Glengarry - No payout/No carryover of unused sick days

(4) South Dundas - 50% payout of unused sick days

(5) South Stormont - No payout/No carryover of unused sick days

(6) SDG Counties - 50% payout of unused sick days

The urban municipalities (Ottawa and Mississauga) included in the sick day allotment do not have a payout/carryover of unused sick days.

4.0 POLICY CONSIDERATION

HR Policy (07-2024)

5.0 ANALYSIS

Administration recognizes the sick days provided within the current North Stormont Policy is extreme in comparison to other local comparators. Administration was requested to review and bring forward a recommendation. Significant discussion with all Township senior management has determined a balanced allotment of sick time must be established. An adjustment to reflect municipal best practices is recommended. The recommendation is to provide staff with 10 days of sick pay (70 hours for those working 35 hours weeks, 80 hours for those working 40 hour weeks) uncertified sick days in a calendar year. Sick time banks would be added at the beginning of every year at 10 days per

employee. Those starting mid-year would have their sick time prorated to reflect their start date accordingly.

Should any staff member be ill/sick for five (5) consecutive days due to illness/injury then the short term disability (STD) application process is activated.

As indicated previously, staff employed by North Stormont do individually pay for short-term and long-term disability coverage. Payment amounts, per pay cycle, vary for each staff member and is based exclusively on individual salaries. Administration does recognize some of the area municipalities pay for this coverage and is not consistent across the Townships within SDG County.

Administration is supportive of providing reasonable sick time to employees. Administration does suggest 16.2 be removed as sick time payouts could be misinterpreted by ratepayers as a salary enhancement. Administration's intention is also to remove the potential for staff to be "incentivized" to not use sick time when legitimately ill/when required to ensure a monetary payout is received at the end of each calendar year. Further, it has been suggested that sick time payouts are also used to motivate/encourage staff to not use the full sick time allotment when not ill. The CAO has an expectation staff are responsible and ethical in the use of provided sick time and such time is used for the exclusive purpose it was intended. The Employee Code of Conduct also requires staff to ensure their personal conduct does not adversely affect public confidence or integrity of the organization or public sector and this would include the responsible use of sick time. Any abuse or misuse of sick time would contravene this stipulation in the opinion of the CAO. Removing the payout of unused sick time would result in significant cost savings to ratepayers as the 2024 payment for unused and eligible sick time was approximately \$34,000 (equates to approximately 1% of the tax rate).

Section 16.3 will remain the same with employees paying a percentage of short-term and long-term disability coverage with a minor change to the wording. It should be noted that when premiums are paid totally by the employer then short and/or long-term benefits are considered taxable income and are taxed at the source. Premiums paid partially by the employee provide short/long term benefits that are considered tax free and not taxable income.

Further, Administration would recommend the continuation of the "special leave" and the majority of senior management are supportive of encompassing this leave within the generic proposed ten (10) days of sick time suggested. Each Department head would be responsible for ensuring sick time is used appropriately. The suggested additional scope specific to "special leave" is below:

Special Leave

Special leave is a provision which is designed to enable staff to be absent from their employment with full pay for one of the following reasons:

(a) Professional appointments including medical, dental, mental health and/or legal for the employee, the employee's dependent child, partner and/or disabled or aged parent or any other life event that is of an urgent or emergency nature and is approved by the applicable Departmental head.

(b) The unexpected or sudden illness of the employee's partner or dependent child and/or his or her aged or disabled parent or partner which prevents the employee from reporting to duty.

The proposed change would see the reduction in total sick time allotment from eighteen (18) sick days to the equivalent of ten (10) sick days - for a total reduction of eight (8) days annually per employee.

To ensure transparency and staff participation, Administration did conduct proactive meetings with all municipal staff to review the proposed sick time allotment changes prior to the public report being included in a public Council agenda. The staff expressed their appreciation for the consultation prior to moving to Council review, consideration and decision.

Should Council support these recommendations the reduction would commence immediately. Any staff that may have exceeded the new ten (10) day leave maximum, at the time of the changes approved by Council to the HR Policy, would not be penalized but would see their bank sick time allotment reflect "0" moving forward in 2025 calendar year. At the time of authoring this report, there are no staff who have exceeded the proposed ten (10) day maximum sick day entitlement.

6.0 ENVIRONMENTAL CONSIDERATIONS

N/A

7.0 RECOMMENDED CONDITIONS

THAT the Council of the Township of North Stormont approve the changes to the Human Resources Policy as follows:

Changes specific to sick days by reducing sick days to ten (10) annually, and includes Special Leave. Further, the cessation of annual payout of unused sick time.

8.0 ALTERNATIVES

THAT the Council of the Township of North Stormont reject the HR Policy recommended changes.

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:

Yes ☐ No ☐ N/A ☒

This item is within the approved budgeted amount:

Yes ☐ No ☐ N/A ☒

This item is mandated by the Provincial/Federal Government:

Yes ☐ No ☐ N/A ☒

Prepared By:

**Reviewed and submitted
by:**

**Submitted for Council
consideration by:**




Craig Calder
CAO/Clerk



Craig Calder
CAO/Clerk



Craig Calder
CAO/Clerk

 <div> The Corporation of the Township of NORTH STORMONT </div>		Report No. ADMIN-08- 2025
Agenda Date:	March 11, 2025	
Subject:	Shared Service Agreement with SDG Counties	
Attachments:	<input type="checkbox"/> North Stormont SDG-Shared Services Agreement - Ec Dev and Comms	

1.0 **RECOMMENDATION**

THAT the Council of the Township of North Stormont approves report 08-2025 and the attached service level agreement for communication services and economic development from the CAO/Clerk.

2.0 **LEGAL DESCRIPTION**

N/A

3.0 **BACKGROUND**

The Township has used upper tier supports, historically, during temporary vacancies or to leverage expertise not within the existing municipal staffing compliment. These partnerships have proven successful in the past. SDG Counties Corporate Communications Coordinator has been providing direct corporate communications support to the Township of North Stormont for a number of years. This support has included the day-to-day administration of the Township's communications activities including regular website updates, overseeing the Township's social media channels, content creation, and meeting streaming, as required.

Council did approve the financial obligation to support the pilot project for Economic Development Officer (EDO) services. The agreement does incorporate pre-existing communications supports. The draft agreement does afford either party the opportunity to continue the agreement, amend or cancel the agreement as per clause 7.

4.0 **POLICY CONSIDERATION**

N/A

5.0 ANALYSIS

The Township CAO engaged the Counties after the most recent Economic Development Officer vacancy to determine appetite to discuss economic development support from Counties competent and accomplished staff. The Counties communication aid has been a significant support to the Township senior management. The communication staff member is very experienced and service level response times have been excellent. A trusted relationship has been developed. Currently, the Township does not have an internal resource that has the expertise to provide the communications the Township required as a transparent, and publicly accountable, entity.

SDG Counties has authored the attached Agreement for Council review, consideration and approval. Reports will be tabled at the upcoming SDG County Council meeting to receive endorsement, and approval, on March 17th 2025.

During the development of the Township Strategic Plan (2024-2028) one of the key threats Council identified was potential staffing shortages. Council identified these shortages could create the potential for decreased public trust in public institutions, customer services shortfalls and potential liability. Council also identified shared staffing arrangements with other public agencies, including SDG Counties, as an opportunity to reduce this risk. This approach is complimentary to our upper tier partners strategic priorities as partnerships and collaboration is a key strategic driver within the SDG Counties Strategic Plan.

The agreement is premised on a cost recovery basis. An hourly rate will be established for the SDG Counties Manager of Economic Development and the Corporate Communications Coordinator. The rates will be applied to work done on behalf of the Township. Township Administration included the costs for these proposed services in their 2025 draft budget. During budget deliberations, there was extensive dialog on the merits of leveraging County supports for EDO services and, ultimately, Council did approve these expenditures in the 2025 budget review process.

6.0 ENVIRONMENTAL CONSIDERATIONS

N/A

7.0 RECOMMENDED CONDITIONS

THAT the Council of the Township of North Stormont approves report 08-2025 and attached service level agreements for a communication services and economic development.

8.0 ALTERNATIVES

THAT the Council of the Township of North Stormont rejects the report 08-2025 and not approve the shared service agreement for communications services and economic development.

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget:

Yes ☒ No ☐ N/A ☐

This item is within the approved budgeted amount:

Yes ☒ No ☐ N/A ☐

This item is mandated by the Provincial/Federal Government:

Yes ☐ No ☒ N/A ☐

Prepared By:

**Reviewed and submitted
by:**

**Submitted for Council
consideration by:**



Craig Calder
CAO/Clerk



Craig Calder
CAO/Clerk



Craig Calder
CAO/Clerk

**Shared Services Agreement
Economic Development &
Communications Services**

This Agreement made as of this 17th day of March, 2025
between

The Corporation of the Township of North Stormont

(Hereinafter called “North Stormont” or “NS”)

-and-

**The Corporation of the United Counties of Stormont, Dundas and
Glengarry**

(Hereinafter called the “SDG Counties” or “SDG”)

Whereas Section 20 of the *Municipal Act* provides that a municipality may enter into agreements with one or more municipalities for their joint benefit to provide a service or thing for their mutual benefit and the benefit of their respective inhabitants subject to the consent of the municipality in which the service or thing is provided; and

Whereas Economic Development services and Communications services are important and necessary services for the operation of a municipality; and

Whereas the parties above have agreed to enter into an Agreement to set out the service levels and cost sharing formula if they choose to utilize the shared model outlined in this Agreement; and

Whereas SDG Counties is prepared to be the host municipality for the purpose of delivering the services contemplated by this Agreement and as requested by the member municipality.

Now Therefore in consideration of the mutual covenants, conditions, considerations and payments herein contained, the parties hereto mutually agree as follows:

1. Introduction

- a. This Agreement is intended to set out the service levels and funding formula for purchased Economic Development and Communications services.

2. Definitions

- a. **Council** – means the elected members of Council for each of the parties to this Agreement.
- b. **Chief Administrative Officer (CAO)** – is the senior staff member for each of the parties to this Agreement.

- c. **Director of Planning & Economic Development Services** (Director - SDG) is the person appointed by SDG Counties to lead the Planning & Economic Development Services Department.
- d. **Director of Corporate Services** (Director – SDG) is the person appointed by SDG Counties to lead the Corporate Services Department.
- e. **Manager of Economic Development** is the person appointed by SDG Counties to deliver economic development services.
- f. **Corporate Communications Coordinator** is the person appointed by SDG Counties to deliver communications services.
- g. **Service Level Agreement (SLA)** – means an agreement that defines the service scope, quality, and responsibilities agreed between the parties, including performance standards.

3. General

- a. The day-to-day management of the Agreement will be provided by the Directors – SDG (or designates) as appointed from time-to-time by SDG Counties, including:
 - i. Providing strategic advice
 - ii. Project management
 - iii. Management (hiring, oversight, performance, discipline and termination)
 - iv. Allocation of staff resources based upon an approved work plan
- b. For the purpose of the administration of this Agreement, the Manager of Economic Development and the Corporate Communications Coordinator will report to the Director of Planning and Economic Development Services and Director of Corporate Services of SDG Counties. Notwithstanding, the Chief Administrative Officer – NS will regularly provide guidance, advice and direction regarding the related work within their respective municipality.
- c. The CAO - NS and the Directors – SDG will meet at a minimum of semi-annually to review operations and receive suggestions for service level adjustments.
- d. The Directors - SDG will provide recommendations to the CAO - NS based upon best practices and cost efficiency.
- e. It is understood that efficiencies and cost savings will be achieved by harmonizing policies where practical and feasible, and that the Directors - SDG will work towards commonality where possible. The final decision with respect to the adoption of such policies shall rest with each individual party.
- f. Information segregation and security between the parties will be maintained, except where disclosure is required by the *Municipal Freedom of Information and Protection of Privacy Act*.
- g. In order to meet the objectives of this Agreement, the Manager of Economic Development and Corporate Communications Coordinator will continue to be employees of SDG Counties.

- h. The Manager of Economic Development and the Corporate Communications Coordinator will be assigned, as required, to ensure the fulfilment of this Agreement, considering training, vacation and overall system needs. Without limiting the generality of the foregoing, the Directors - SDG, in consultation with the CAO - NS shall establish a schedule to ensure their availability on a regular basis.
- i. Service level agreements (SLAs) for the economic development and communications services provided to NS by SDG Counties will be developed by the Directors – SDG, the Manager of Economic Development and the Corporate Communications Coordinator with the input of the CAO – NS. The SLAs will include the nature of the services provided. The SLAs are intended to be living documents that are adapted as technology and service demands change. The SLAs are attached to this agreement as Appendices ‘A’ and ‘B’.
- j. During the course of this Agreement, if additional human resources are required to support the economic development and communications operations of any of the parties hereto, discussion will take place among the parties to determine how these human resources are to be provided.

4. Responsibilities of North Stormont

- a. The Township of North Stormont is responsible for the following:
 - i. Economic Development - providing counter-service to businesses inquiring about economic development initiatives (e.g. business cards, applications) and booking appointments to meet with the Manager of Economic Development as necessary
 - ii. Economic Development – Provide direction on major initiatives and work planning
 - iii. Communications – provide access and login credentials for both the North Stormont website and social media channels
 - iv. Communications – provide content suggestions and direction regarding the types of material the Township would like shared on the North Stormont website and social media channels
 - v. Communications – provide feedback regarding the content that is created and shared on both the North Stormont website and social media channels
 - vi. Other duties as deemed appropriate to support the economic development and communications functions
 - vii. The cost of any hardware and software solutions to support their operations
 - viii. Health, safety and orientation training as it relates to their operations
 - ix. Provide/nominate staff to sit on committees/working groups related to Economic Development and Corporate Communications, including all costs related to their participation

- x. Policy enforcement, insurance and legal obligations related to their employees and Councils use of the SDG Counties Manager of Economic Development and the Corporate Communications Coordinator
- xi. Provide input regarding the performance of SDG Counties staff assigned to administer the services

5. Financial Obligations

- i. The parties hereto agree that economic development and communications services provided by SDG Counties to NS shall be undertaken on a cost recovery basis, without markup or the application of an administrative fee. An all-inclusive hourly rate, including salary, mandatory payroll/benefit costs, travel and IT, will be determined annually by SDG Counties. This rate will be applied to all hours utilized by NS throughout the year, and the local municipality billed accordingly. NS will be billed on a quarterly basis for economic development and communications services provided by SDG Counties.
- ii. Invoices will be forwarded to NS on March 31st, June 30th, September 30th and December 31st each year. A year-end reconciliation will be made January 31st of the following year, to account for any changes in billing the prior year.

6. Liability and Insurance

- a. Each party to this Agreement shall assume full responsibility and cost for any actions or lack of actions brought against the municipality for incidents or events that happen within their municipal borders and are directly related to them as a result of their own negligent acts or omissions and no liability shall attach or accrue to the other parties.
- b. Despite Section 6 paragraph a), in the event that liability or action is brought against the parties collectively, then any cost or awards shall be split on a percent basis as per the percentage split funding formula in place on the day of the event or incident.
- c. Subject to paragraphs a) and b) above, each of the parties agrees to indemnify and hold the other harmless from and against all actions, suits, claims and demands which may be brought against or made upon another party including all loss, costs, charges and expenses as well as legal costs which may be incurred as a result of having entered into this agreement to the extent that such actions, suits, claims and demands arise from the negligence of that municipality in the carrying out of its obligations pursuant to this Agreement.
- d. SDG Counties shall maintain, for the duration of the agreement, liability insurance of not less than \$2,000,000 for coverage of its staff while on NS property. NS shall be named as an additional insured on SDG Counties' insurance policy, and a copy of shall be provided to both parties.

7. Termination and Amendments

- a. This Agreement shall come into force upon signature by both parties.
- b. This Agreement shall remain in force until any party provides written notice of termination prior to September 30th of any calendar year, effective January 1st of the following year. In such an event, the remaining parties will meet to review the ongoing viability and/or restructuring of this Agreement.
- c. This Agreement may be amended at any time by the mutual consent of the parties in writing, after the party desiring the amendment(s) gives the other party a minimum of ninety (90) days written notice of the proposed amendment(s).

8. Disputes and Disagreements

- a. If, during the term of this Agreement, a dispute or disagreement arises between the parties that cannot be resolved by the Directors - SDG, the two CAOs will be charged with making a determination. Where the CAOs cannot collectively come to a satisfactory resolution within thirty (30) days, the following dispute resolution procedure will be followed:
 - i. Within ninety (90) days or such timing as may be mutually agreeable, the parties will submit the dispute or disagreement to arbitration in accordance with the provision of the *Municipal Arbitrations Act*.
 - ii. The party wishing to commence arbitration shall give the other party a written notice describing the dispute or disagreement to be arbitrated. Any arbitration will be carried out by a single arbitrator, who has been chosen jointly by the parties. The costs and expenses of arbitration will be allocated by the arbitrator between the parties, as the arbitrator determines in accordance with applicable law.
 - iii. The parties agree to fully cooperate in any dispute or disagreement process, including the release of information and/or access to individuals.
- b. Except where clearly prevented by a dispute or disagreement that arises under this Agreement, the parties shall continue performing their respective responsibilities under this Agreement while the dispute or disagreement is being resolved in accordance with this Section, unless or until such responsibilities are lawfully terminated or expire in accordance with terms of this agreement.

9. Confidentiality

- a. SDG Counties staff shall not at any time before, during or after the expiration or earlier termination of the Agreement, without prior written approval of the parties hereto, divulge to any person (including its employees, officers, agents or representatives) or use for any other purpose any confidential information.

10. Notice

Any notice that is required to be given pursuant to this agreement shall be deemed to have been validly given if delivered to the attention of the Clerk to the following:

Township of North Stormont

57 Cockburn Street
Berwick, ON, K0C 1G0

United Counties of Stormont, Dundas and Glengarry

26 Pitt Street
Cornwall, Ontario K6J 3P2

11. Governing Law

- a. This Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario.

In Witness Whereof the said Corporations have hereto affixed their corporate seals as attested by the hands of their proper officer duly authorized in that regard.

**The Corporation of the Township of North
Stormont**

Per: _____

Francois Landry, Mayor

Per: _____

Craig Calder, CAO/Clerk

**The Corporation of the United Counties of
Stormont, Dundas and Glengarry**

Per: _____

Martin Lang, Warden

Per: _____

Kimberley Casselman, Clerk

Appendix 'A'
Service Level Agreement
Communications Services

Regular social media content creation and posts

- Facebook and X will remain the chief social media channels used by the Township of North Stormont. Both channels will be used to communicate timely messaging for the general public and, where appropriate, will link to website content.
- Social media engagement will take place several times a week. Social media engagement can be increased, as events warrant.

Website Updates

- SDG Counties communications will administer all web content for the Township of North Stormont, including content updates, style changes and real-time messaging for the public.
- If select Township staff wish to be trained on specific website activities, SDG Counties can provide such guidance.

Media Relations

- SDG Counties will coordinate media relations through timely and informative press releases and press conferences, as events warrant.
- SDG Counties will help organize press events and will liaise with regional media partners on an as-needed basis.

Back-up Meeting Streaming

- In the event that a North Stormont staff person is unavailable to help coordinate the streaming of Council meetings, SDG Counties communications can provide a staff resource to assist.

Emergency Management Communications

- SDG Counties communications can provide support during emergencies. Communications support during emergencies will consist of website updates, social media posts and public engagement, as events warrant.

Expectations

- SDG Counties will endeavour to complete tasks assigned by the Township of North Stormont as quickly as possible, often the same date. It should be understood that this may not be the case at all times and there could be occasions where it may take up to 24 hours to complete an assigned task.
- Requests for communications support should be sent via email to the SDG Corporate Communications Coordinator.

Appendix 'B'
Service Level Agreement
Economic Development

Regional Incentives Plan local support

- SDG Counties will assist North Stormont residents and businesses in responding to RIP inquiries, filling out application forms and determining eligibility

CIP - participate in review process

- SDG Counties will assist North Stormont with the implementation of its community improvement plan including assisting with filling out applications and providing recommendations to the review committee.

County Tourism Campaign

- SDG Counties will work with the CAO and provide materials and opportunities for input from a North Stormont perspective for tourism marketing campaigns

Focus on Agritourism

- SDG Counties will provide support for agritourism business in North Stormont including connecting to grant opportunities and other resources

Industrial Park strategy

- SDG Counties will develop an industrial park strategy for the Township including options for public, private or public-private partnerships

Health Care/Education Strategy

- SDG Counties will ensure that North Stormont interests are brought forward as part of any County-wide health care/education strategy and inform the CAO of any relative initiatives.

THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT

BY-LAW NO. 19-2025

BEING a By-law to accept a deed of land and to dedicate the land as a Public Highway.

WHEREAS the *Municipal Act, 2001, c. 25 s.5(1)* provides that the powers of a municipal corporation are to be exercised by its Council;

AND WHEREAS the *Municipal Act, 2001, c. 25 s.5(3)* provides that the powers of every Council are to be exercised by By-law;

AND WHEREAS the Corporation of the Township of North Stormont acquired certain lands from Ms. Viola McRae, Mr. Menzies McRae and Mr. Gregor McRae for the purpose of road widening;

AND WHEREAS a By-Law must be registered on title to accept the deeded land and dedicate it as a public highway.

NOW THEREFORE the Council of the Corporation of the Township of North Stormont enacts as follows:

1. THAT Part of Lot 21, Concession 7, Geographic Township of Roxborough, being Parts 6, 7 and 8 on Reference Plan 52R-4910; Township of North Stormont, County of Stormont, be accepted into the road system and dedicated as a public highway.
2. THAT this By-Law be registered on title.

READ A FIRST, SECOND AND THIRD TIME and passed in open Council, signed and sealed this 11th day of March 2025.

François Landry, Mayor

Craig Calder, CAO/Clerk

SEAL

BY-LAW NO. 19-2025

Provinces
of
Ontario

Transfer/Deed of Land
Form 1 - Land Registration Reform Act, 1984

A

FOR OFFICE USE ONLY

272607

CERTIFICATE OF REGISTRATION
CERTIFICATE OF REGISTRATION
SIGNATURE (52) CERNAL

96 10 10 10 36

Louis M. M.
LAND REGISTRY/REGISTRAR

New Property Identifiers

Executions

Additional:
See
Schedule ☐

Additional:
See
Schedule ☐

(1) Registry ☒

Land Titles ☐

(2) Page 1 of 2 pages

(3) Property
Identifier(s)

Block

Property

Additional:
See
Schedule ☐

(4) Consideration

SIXTY SIX-----72 Dollars \$66.72

(5) Description

This is a: Property

Property

Division ☐

Consolidation ☐

Part of Lot 21, Concession 7

Township of Roxborough,

County of Stormont

being Parts 6, 7 and 8

on Plan of Reference 52R-4910

Registered in the Land Registry Office
for the Registry Division of Stormont (No. 52)

(6) This
Document
Contains

(a) Redescription
New Easement
Plan/Sketch ☐

(b) Schedule for:

Description ☐

Additional
Parties ☐

Other ☐

(7) Interest/Estate Transferred
Fee Simple

(8) Transferor(s) The transferor hereby transfers the land to the transferee and certifies that the transferor is at least eighteen years old and that
Viola McRae and Menzies McRae are spouses of one another. Gregor Nelson

Lindsay McRae is a spouse. His spouse is consenting below.

Name(s)

Signature(s)

Date of Signature
Y M D

McRAE, Viola (as to a 40% interest)

Viola McRae

1996 06 11

McRAE, Menzies (as to a 40% interest)

Menzies McRae

1996 06 11

McRAE, Gregor Nelson Lindsay (as to a

Gregor Nelson

1996 06 11

20% interest) All as Tenants in Common

(9) Spouse(s) of Transferor(s) I hereby consent to this transaction

Name(s)

Signature(s)

Date of Signature
Y M D

McRAE, Shelagh

Shelagh McRae

1996 06 11

(10) Transferor(s) Address
for Service

R.R. #2, Moose Creek, Ontario, K0C 1W0

(11) Transferee(s)

Date of Birth
Y M D

THE CORPORATION OF THE

TOWNSHIP OF ROXBOROUGH

(12) Transferee(s) Address
for Service

P.O. Box 189, Moose Creek, Ontario, K0C 1W0

(13) Transferor(s) The transferor verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene section 49 of the
Planning Act, 1983.

Signature

Solicitor for Transferor(s) I have explained the effect of section 49 of the Planning Act, 1983 to the transferor and I have made inquiries of the transferor
to determine that this transfer does not contravene that section and based on the information supplied by the transferor, to the best of my knowledge and belief this
transfer does not contravene that section. I am an Ontario solicitor in good standing.

Name and
Address of
Solicitor

Signature

Date of Signature
Y M D

(14) Solicitor for Transferee(s) I have investigated the title to this land and to abutting land where relevant and I am satisfied that the title records
reveal no contravention as set out in subclause 49 (2)(a) (c) (ii) of the Planning Act, 1983 and that to the best of my knowledge and belief this
transfer does not contravene section 49 of the Planning Act 1983. I act independently of the solicitor for the transferor(s) and I am an Ontario
solicitor in good standing.

Name and
Address of
Solicitor

Date of Signature
Y M D

Signature

(15) Assessment Roll Number
of Property

City Mun. Map Sub. Par.

NOT ASSIGNED

(16) Municipal Address of Property

Vacant Land

(17) Document Prepared by:

J. Peter Vice
Vice and Hunter
344 Frank Street
Ottawa, Ontario
K2P 0Y1

Fees and Tax

Registration Fee 50.00

Land Transfer Tax

Total 50.00

style us corporation SolidDoc® / TORONTO - CANADA

Prepared using The Conveyancer, by Do Process Software Ltd.

LSR-1022 1/1/96

Affidavit of Residence and of Value of the Consideration
Form 1 - Land Transfer Tax Act

THE MATTER OF THE CONVEYANCE OF (Insert brief description of land) Part of Lot 21, Concession 7
Township of Roxborough, County of Stormont, being Parts 6, 7 and 8 on
Plan of Reference 52R-4910.

BY (print names of all transferors in full) VIOLA MCRAE, as to a 40% interest, MENZIES MCRAE
as to a 40% interest and GREGOR NELSON LINDSAY MCRAE, as to a 20% interest
TO (see instruction 1 and print names of all transferees in full) CORPORATION OF THE TOWNSHIP OF ROXBOROUGH

1. (see instruction 2 and print name(s) in full) J. PETER VICE

MAKE OATH AND SAY THAT:

1. I am (place a check mark within the square opposite that one of the following paragraphs that describes the capacity of the deponent(s)): (see instruction 2)

- ☐ (a) A person in trust for whom the land conveyed in the above-described conveyance is being conveyed;
☐ (b) A trustee named in the above-described conveyance to whom the land is being conveyed;
☐ (c) A transferee named in the above-described conveyance;
☒ (d) The authorized agent or solicitor acting in this transaction for (insert name(s) of principal(s)) CORPORATION OF THE TOWNSHIP OF ROXBOROUGH
described in paragraph(s) (d), (d), (c) above; (strike out references to inapplicable paragraphs)
☐ (e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for (insert name(s) of corporation(s))
described in paragraph(s) (a), (b), (c) above; (strike out references to inapplicable paragraphs)
☐ (f) A transferee described in paragraph () (insert only one of paragraph (a), (b) or (c) above, as applicable) and am making this affidavit on my own behalf and on behalf of (insert name of spouse) who is my spouse described in paragraph () (insert only one of paragraph (a), (b) or (c) above, as applicable) and as such, I have personal knowledge of the facts herein deposed to.

2. (To be completed where the value of the consideration for the conveyance exceeds \$400,000).

- I have read and considered the definition of "single family residence" set out in clause 1(1)(a) of the Act. The land conveyed in the above-described conveyance
☐ contains at least one and not more than two single family residences. **Note:** Clause 2(1)(d) imposes an additional tax at the rate of one-half of one per cent upon the value of consideration in excess of \$400,000 where the conveyance contains at least one and not more than two single family residences.
☐ does not contain a single family residence.
☐ contains more than two single family residences. (see instruction 3)

3. I have read and considered the definitions of "non-resident corporation" and "non-resident person" set out respectively in clauses 1(1)(f) and (g) of the Act and each of the following persons to whom or in trust for whom the land is being conveyed in the above-described conveyance is a "non-resident corporation" or a "non-resident person" as set out in the Act. (see instructions 4 and 5)

4. THE TOTAL CONSIDERATION FOR THIS TRANSACTION IS ALLOCATED AS FOLLOWS:

- | | | |
|---|----|--------------|
| (a) Monies paid or to be paid in cash | \$ | <u>66.72</u> |
| (b) Mortgages (i) Assumed (show principal and interest to be credited against purchase price) | \$ | <u>Nil</u> |
| (ii) Given back to vendor | \$ | <u>Nil</u> |
| (c) Property transferred in exchange (detail below) | \$ | <u>Nil</u> |
| (d) Securities transferred to the value of (detail below) | \$ | <u>Nil</u> |
| (e) Liens, legacies, annuities and maintenance charges to which transfer is subject | \$ | <u>Nil</u> |
| (f) Other valuable consideration subject to land transfer tax (detail below) | \$ | <u>Nil</u> |
| (g) VALUE OF LAND, BUILDING, FIXTURES AND GOODWILL SUBJECT TO LAND TRANSFER TAX (Total of (a) to (f)) | \$ | <u>66.72</u> |
| (h) VALUE OF ALL CHATTELS - Items of tangible personal property (Retail Sales Tax is payable on the value of all chattels unless exempt under the provisions of the "Retail Sales Tax Act", R.S.O. 1980, c.454, as amended) | \$ | <u>Nil</u> |
| (i) Other consideration for transaction not included in (g) or (h) above | \$ | <u>Nil</u> |
| (j) TOTAL CONSIDERATION | \$ | <u>66.72</u> |

All Blanks
Must Be
Filled In.
Insert "Nil"
Where
Applicable

5. If consideration is nominal, describe relationship between transferor and transferee and state purpose of conveyance. (see instruction 6)

a conveyance to a municipality for road widening purposes

6. If the consideration is nominal, is the land subject to any encumbrance?

7. Other remarks and explanations, if necessary.

Sworn before me at the City of Ottawa
in the Regional Municipality of Ottawa-Carleton
this 9th day of October 19 96

Murray Cape
A Commissioner for taking Affidavits, etc.

MURRAY CAPE, a Commissioner for taking Affidavits
Judicial District of Ottawa-Carleton, for Vice and
Hunter, Barristers and Solicitors.
Expires July 20th, 1997.

J. PETER VICE
(Signature)

Property Information Record

- A. Describe nature of instrument: Deed of Land
B. (i) Address of property being conveyed (if available) not available
(ii) Assessment Roll No. (if available) not available
C. Mailing address(es) for future Notices of Assessment under the Assessment Act for property being conveyed (see instruction 7) P.O. Box 189
Moose Creek, Ontario, K0C 1W0
D. (i) Registration number for last conveyance of property being conveyed (if available)
(ii) Legal description of property conveyed: Same as in D.(i) above. Yes ☐ No ☐ Not known ☐
E. Name(s) and address(es) of each transferee's solicitor
J. Peter Vice, Vice & Hunter
344 Frank Street, Ottawa, Ontario, K2P 0Y1

For Land Registry Office Use Only

Registration No.	
Registration Date	Land Registry Office No.

School Tax Support (Voluntary Election) See reverse for explanation

- (a) Are all individual transferees Roman Catholic? Yes ☐ No ☐
(b) If Yes, do all individual transferees wish to be Roman Catholic Separate School Supporters? Yes ☐ No ☐
(c) Do all individual transferees have French Language Education Rights? Yes ☐ No ☐
(d) If Yes, do all individual transferees wish to support the French Language School Board (where established)? Yes ☐ No ☐
NOTE: As to (c) and (d) the land being transferred will be assigned to the French Public School Board or Sector unless otherwise directed in (a) and (b). 04480 (90-09)

THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT

BY-LAW NO. 20-2025

BEING a By-law to amend By-Law No. 94-2022 to appoint members to the Community Improvement Advisory Committee for the Township of North Stormont.

WHEREAS the *Municipal Act, 2001*, c. 25 s. 5 (1) provides that the powers of a municipal corporation are to be exercised by its Council;

AND WHEREAS the *Municipal Act, 2001*, c. 25 s. 5 (3) provides that the powers of every Council are to be exercised by By-law;

AND WHEREAS Council is desirous of appointing Council members, Staff and non-Council member appointments, to various Committees for the Township of North Stormont;

AND WHEREAS such Committees pursuant to their mandates, following deliberations, report back to Council for the approval of Council as a whole.

NOW THEREFORE the Council of the Corporation of the Township of the North Stormont hereby enacts as follows:

1. The following members will serve on this Committee:

Committee	Member(s)
Community Improvement Advisory Committee	Deputy Mayor Densham Councillor Bugelli CAO/Clerk Calder CBO Brisson Connie-Blanchard-Nielsen

2. That any By-law inconsistent with the above appointments is hereby repealed.

READ A FIRST, SECOND AND THIRD TIME and passed in open Council, signed and sealed this 11th day of March 2025.

François Landry, Mayor

Craig Calder, CAO/Clerk

SEAL

The Town of Goderich
57 West Street
Goderich, Ontario
N7A 2K5
519-524-8344
townhall@goderich.ca
www.goderich.ca



Monday, January 20, 2025

The Honourable Doug Ford
Premier of Ontario
Premier's Office, Legislative Building, Room 281
Toronto, Ontario M7A 1A1
Premier@ontario.ca

SENT VIA EMAIL

The Honourable Prabmeet Sarkaria
Minister of Transportation
5th Flr, 777 Bay St
Toronto, ON M7A 1Z8
minister.mto@ontario.ca

RE: Support for an Ontario-wide licencing framework for rideshare companies

Dear Premier Ford and Minister Sarkaria,

Please be advised of the following motion that was passed at the January 13, 2025, Goderich Town Council meeting:

Moved By: Councillor Kelly

Seconded By: Deputy Mayor Noel

Whereas Rideshare services are increasingly relied upon by seniors, students, visitors and tourists, and residents looking for safe, affordable, convenient, and reliable ways to travel;

And Whereas, the standardization and consistency of regulations across municipalities, particularly in Ontario, can improve the efficiency and effectiveness of the regulatory framework;

And Whereas, transferring the responsibility of ride-share regulations and licensing to the provincial level would contribute to a more streamlined and uniform governance structure, while eliminating associated red tape and unnecessary administrative costs;

Therefore, Be It Resolved that the Town of Goderich Council hereby expresses its support for the migration of ride-share regulations and licensing from the municipal level to the provincial level;

Be It Further Resolved that the Town of Goderich Council formally requests the Government of Ontario to initiate the transfer of responsibilities in the interest of creating a more coherent and standardized regulatory framework for ride-sharing services across the province;

Be It Further Resolved that copies of this motion be distributed to the Honourable Doug Ford, Premier of Ontario; the Honourable Prabmeet Sarkaria, Minister of Transportation; the Honourable Paul Calandra, Minister of Municipal Affairs and Housing; the Honourable Lisa Thompson, Minister of Rural Affairs; the Association of Municipalities of Ontario (AMO); the Eastern Ontario Wardens Caucus, the County of Huron; and all six neighbouring Huron County lower-tier municipalities, and all Ontario municipalities.

The Town of Goderich
57 West Street
Goderich, Ontario
N7A 2K5
519-524-8344
townhall@goderich.ca
www.goderich.ca



CARRIED

If you have any questions, please do not hesitate to contact me at 519-524-8344 ext. 210 or afisher@goderich.ca

Yours truly,

A handwritten signature in cursive script that reads "Andrea Fisher".

Andrea Fisher
Director of Legislative Services/Clerk
/ab

Enclosed:

1. Policy Note – Expanding Transportation Options in Ontario
2. Eastern Ontario Warden's Caucus Letter of Support

cc: Hon. Paul Calandra, Minister of Municipal Affairs and Housing minister.mah@ontario.ca
Hon. Lisa Thompson, Minister of Rural Affairs minister.mra@ontario.ca
The Association of Municipalities Ontario (AMO) amopresident@amo.on.ca
Rural Ontario Municipal Association (ROMA) roma@roma.on.ca
Meredith Staveley-Watson, Manager of Government Relations, EOWC info@eowc.org
The Eastern Ontario Wardens Caucus, info@eowc.org
The County of Huron and all neighbouring Huron County lower-tier municipalities and all Ontario municipalities.

Policy Note - Expanding Transportation Options in Ontario

The purpose of this note is to outline the current challenges with respect to the regulation of ridesharing in Ontario and the benefits to the province that could be unlocked through a provincial regulatory framework.

[Context](#)

[Current Challenges](#)

[Municipal Interest in Ontario](#)

[Benefits of Provincial Approach](#)

[Jurisdictional Scan](#)

Context

- Since 2016, dozens of municipalities across Ontario have developed unique bylaws to regulate ridesharing.
- These bylaws cover topics such as licensing scheme, insurance requirements, driver screening standards, vehicle requirements, and fee / payment schedules.
- Currently, there are several ridesharing companies operational in Ontario, including Lyft, U-Ride, Uber and others.
- Ridesharing provides a vital transportation option in communities across the province, but much of the province is still underserved by ridesharing services.

Current Challenges

The current regulatory structure has significant policy challenges that impacts the province's transportation system and economic growth. Challenges include:

- **Patchwork regulatory framework** - As the province recently demonstrated through its [One Fare](#) announcement, transportation does not stop at municipal boundaries and is increasingly regional. The regulation of ridesharing has become a patchwork regulatory system where a driver can pick up in one municipality but may not be able to pick up in the neighbouring municipality, leading to deadheading.
- **Increasing red tape** - For ridesharing companies that wish to expand in Ontario at the moment, they have to go to individual municipalities and develop bespoke compliance systems. This increases red tape and the cost of doing business in Ontario. It severely limits the ability of ridesharing companies to scale across rural Ontario.
- **Lack of rural transportation options** - Many rural municipalities in Ontario are significantly growing as a result of the Government's investment in housing and infrastructure, yet they lack sufficient transportation options for their residents. Even when options exist, they are often only available at limited times of the day.

Municipal Interest in Ontario

Due to the lack of rural transportation options and the benefits of ridesharing services, over the past months, several municipalities that do not currently have ridesharing services have expressed interest in bringing ridesharing to their communities. These include:

- **Municipality of Brighton** - Northumberland-Peterborough South
- **Township of Russell** - Glengarry-Prescott-Russell
- **City of Pembroke** - Renfrew-Nippissing-Pembroke
- **Township of Southgate** - Bruce-Grey-Owen Sound
- **Town of St. Mary's** - Perth-Wellington

Some of these communities, including Brighton, ON have already passed resolutions (see [Appendix A](#) for full resolution) declaring “support for the migration of ride-share regulations and licensing from the municipal level to the provincial level”.

Benefits of Provincial Approach

A provincial approach to the regulation of ridesharing would have considerable benefits to the Ontario economy and the people of Ontario. These benefits include:

- **Supports economic development** - As Ontario continues to attract investments in areas such as EV manufacturing, communities across the province will need additional transportation options. Ridesharing helps people get around growing communities while also providing part-time flexible work opportunities.
- **Connects communities** - The current patchwork regulatory structure does not reflect the reality of regional transportation, which does not stop at municipal borders. Similar to the One Fare approach of the government, a provincial regulatory framework would allow people to use ridesharing to move seamlessly between communities in the province.
- **Helps reduce impaired driving** - Research shows that the presence of ridesharing in a community can help reduce impaired driving, which is why Uber is a proud partner of MADD Canada. In many rural communities, transportation options are often sparse or unavailable late at night, which can lead some to drive impaired. A provincial regulatory framework would allow ridesharing to expand more easily into these communities and provide citizens with a good reason not to drink and drive.
- **Enables innovative approaches to transit** - Uber and the Town of Innisfil co-designed a custom transit solution, named Innisfil Transit. With a touch of a button, residents are offered flat fare rides to popular destinations, such as the train station, the recreation complex, or the Innisfil Employment Area. Since the launch of Innisfil Transit, thousands of residents have taken trips to connect with the commuter rail station, get to work, go out with friends, or visit their doctor.
- **Connectivity to higher order transit** - As Metrolinx builds out the GO RER expansion and the Ontario Northlander resumes services, more Ontarians and visitors to our

province will use these services to connect with communities. Ridesharing would help boost the success of these services by serving as a “first-mile / last-mile” solution in communities across the RER and Northlander corridors.

Jurisdictional Scan

The majority of other provinces in Canada have adapted a provincial model to the regulation of ridesharing. Some examples of provincial models include:

Province	Legislation	Website / More Information
Newfoundland and Labrador	Transportation Network Company Regulations	Transportation Network Companies (Ride-sharing Service) - Digital Government and Service NL
Quebec	Bill 17, An Act respecting remunerated passenger transportation by automobile - National Assembly of Québec	Authorized drivers or drivers of a vehicle comparable to a taxi - SAAQ
Alberta	Transportation Network Companies Regulation	Ride-for-hire services Alberta.ca
Saskatchewan	Vehicles for Hire Act Vehicles for Hire Regulations	Ridesharing services - SGI

Appendix A: Municipality of Brighton Resolution

WHEREAS, the Municipality of Brighton faces challenges related to limited access to transportation, and there exists a pressing need for a ride-sharing service to address transportation gaps within our community;

WHEREAS rideshare services are increasingly relied upon by seniors, students, visitors and tourists, and residents looking for safe, affordable, convenient, and reliable ways to travel;

WHEREAS, the standardization and consistency of regulations across municipalities, particularly in Ontario, can improve the efficiency and effectiveness of the regulatory framework;

WHEREAS, transferring the responsibility of ride-share regulations and licensing to the provincial level would contribute to a more streamlined and uniform governance structure, while eliminating associated red tape and unnecessary administrative costs;

THEREFORE, BE IT RESOLVED that the Municipality of Brighton Council hereby expresses its support for the migration of ride-share regulations and licensing from the municipal level to the provincial level;

BE IT FURTHER RESOLVED that the Municipality of Brighton Council formally requests the Government of Ontario to initiate the transfer of responsibilities in the interest of creating a more coherent and standardized regulatory framework for ride-sharing services across the province;

BE IT FURTHER RESOLVED that copies of this motion be distributed to the Honourable Doug Ford, Premier of Ontario; the Honourable Prabmeet Sarkaria, Minister of Transportation; the Honourable Paul Calandra, Minister of Municipal Affairs and Housing; the Honourable David Piccini, Member of Provincial Parliament for Northumberland-Peterborough South; the Association of Municipalities of Ontario (AMO); the Eastern Ontario Wardens Caucus, the County of Northumberland; and all six neighbouring Northumberland lower-tier municipalities, and all Ontario municipalities.



October 24, 2024

The Honourable Doug Ford
Premier of Ontario
Premier's Office, Legislative Building, Room 281
Toronto, Ontario M7A 1A1
Premier@ontario.ca

The Honourable Prabmeet Sarkaria
Minister of Transportation
5th Flr, 777 Bay St
Toronto, ON M7A 1Z8
minister.mto@ontario.ca

Re: Eastern Ontario Wardens' Caucus support for an Ontario-wide licensing framework for rideshare companies

Dear Premier Ford and Minister Sarkaria,

On behalf of the [Eastern Ontario Wardens' Caucus \(EOWC\)](#), representing 103 rural and small urban municipalities across Eastern Ontario, I am writing to request that the Ontario Government strongly consider adopting a province-wide licensing framework for rideshare companies.

Municipalities across Eastern Ontario, including the County of Northumberland and Township of Russell, have been advocating for a provincial licensing framework for rideshare companies that would align Ontario with Quebec and British Columbia. Ridesharing provides a vital transportation option in communities across Ontario, but much of the province is still underserved by ridesharing services.

In many parts of the province, ridesharing is unregulated or regulated in a 'patchwork' manner. Since 2016, dozens of municipalities across Ontario have developed unique bylaws to regulate ridesharing. These bylaws cover topics such as licensing scheme, insurance requirements, driver screening standards, vehicle requirements, and fee / payment schedules.

The benefits of an Ontario-wide licensing framework of rideshare companies include:

- **Supports economic development** - As Ontario continues to attract investments in areas such as electronic vehicle (EV) manufacturing, communities across the province will need additional transportation options. Ridesharing helps people get around growing communities while also providing part-time flexible job opportunities.
- **Connects communities** - The current patchwork regulatory structure does not reflect the reality of regional transportation, which does not stop at municipal borders. Similar to the One Fare approach of the government, a provincial regulatory framework would allow people to use ridesharing to move seamlessly between communities in the province.
- **Helps reduce impaired driving** - Research shows that the presence of ridesharing in a community can help reduce impaired driving. In many rural communities, transportation options are often sparse or unavailable late at night, which can lead some individuals to choose to drive impaired. A provincial regulatory framework would allow ridesharing to expand more easily into these communities and provide people with a safe ride option.
- **Enables innovative approaches to transit** – As one example of innovative partnerships, the Town of Innisfil and Uber Canada co-designed a custom transit solution, named Innisfil Transit. With a touch of a button, residents are offered flat fare rides to popular destinations, such as the train station, the recreation complex, or the Innisfil Employment Area. Since the launch of Innisfil Transit, thousands of residents have taken trips to connect with the commuter rail station, get to work, go out with friends, or visit their doctor.

Premier Ford and Minister Sakaria, we thank you for your consideration of this important issue. As always, the EOWC remains a trusted partner and welcomes continued collaboration and opportunities for open dialogue on behalf of our member municipalities.

Sincerely,



Peter Emon
Chair, 2024
Eastern Ontario Wardens' Caucus
Info@eowc.org

CC: Hon. Paul Calandra, Minister of Municipal Affairs and Housing
minister.mah@ontario.ca

Hon. Lisa Thompson, Minister of Rural Affairs
minister.mra@ontario.ca

The Association of Municipalities Ontario (AMO)
amopresident@amo.on.ca

Rural Ontario Municipal Association (ROMA)
roma@roma.on.ca

Meredith Staveley-Watson, Manager of Government Relations, EOWC
info@eowc.org

Resolution: EOWC Support of Canadian and Ontario Governments' Negotiations with the United States Government on Trade Tariffs

Moved by: Corinna Smith-Gatcke, Warden of the United Counties of Leeds & Grenville
Seconded by: Steve Ferguson, Vice-Chair, EOWC / Mayor of Prince Edward County

Whereas the Canadian government is currently in negotiations with the United States (U.S.) government on their proposed 25% tariffs on Canadian goods exported to the U.S.; and

Whereas Canada's Prime Minister and Ontario's Premier have outlined several plans to combat the impact that the proposed tariffs would have on Ontario which focus on strengthening trade between Ontario and the U.S. while bringing jobs back home for workers on both sides of the border; and

Whereas the Canadian government has also outlined several ways to address the current relationship with the U.S. including establishing the Council on Canada-U.S. relations to support the federal government as it negotiates with the U.S. on tariffs; and

Whereas trade between Ontario and the U.S. is very important to our residents and local economies, and requires all levels of government to work together in the best interest of those residents; and

Whereas according to data from the Association of Municipalities of Ontario, across Ontario municipalities are expected to spend between \$250 and \$290 billion on infrastructure in the next 10 years; and

Whereas Ontario municipalities have traditionally treated trade partners equally and fairly in all procurements in accordance with our established international trade treaties; and

Whereas municipalities play a crucial role as part of the Team Canada approach to combat tariffs and support businesses in our procurement for capital and infrastructure programs; and

Whereas there are trade barriers between Canadian provinces and territories.

Therefore, be it resolved that the Eastern Ontario Wardens' Caucus supports the Canadian and Ontario governments on the measures they have put in-place in response to the proposed U.S. tariffs on Canadian goods and ask that they take any and all measures to protect the interests of Ontario in any upcoming trade negotiations, and ensure municipalities are part of the coordinated Team Canada approach;

And that the Canadian and Ontario governments remove any impediments to municipalities preferring Canadian companies and services for capital projects and other supplies;

And that the Canadian and Ontario governments take action to remove trade barriers between provinces as a response to U.S. tariffs and support Canadian businesses;

And that the Canadian and Ontario governments remove all legislative barriers that impact the ability to buy local, and indemnify municipalities should there be challenges to buying Canadian;

And that the Canadian and Ontario governments continue to invest in infrastructure to provide stability, jobs, and support our communities' social and economic prosperity over the long-term.

Be it further resolved, that copies of this motion be sent to:

- The Right Hon. Justin Trudeau, Prime Minister of Canada
- The Hon. Melanie Joly, Minister of Foreign Affairs
- The Hon. Nate Erskine-Smith, Minister of Housing, Infrastructure and Communities
- Doug Ford, Leader of the Progressive Conservative Party
- Marit Stiles, Leader of the Ontario New Democratic Party
- Bonnie Crombie, Leader of the Ontario Liberal Party
- Mike Schreiner, Leader of the Ontario Green Party
- Ontario's Minister of Economic Development, Job Creation and Trade
- Ontario's Minister of Municipal Affairs and Housing
- Rebecca Bligh, President, FCM and Councillor, City of Vancouver
- Robin Jones, President, AMO and Mayor of Westport
- Christa Lowry, Chair, Rural Ontario Municipal Association
- Jeff Leal, Chair, Eastern Ontario Leadership Council
- John Beddows, Chair, Eastern Ontario Mayors' Caucus
- All regional Members of Canadian Parliament
- All candidates running as Ontario Members of Parliament
- All of Ontario's municipalities for their support

Carried

A handwritten signature in cursive script that reads "Bonnie Clark".

Chair Bonnie Clark, EOWC

February 10, 2025



United Counties of
Stormont, Dundas & Glengarry

RESOLUTION

MOVED BY *Councillor Fraser* **RESOLUTION NO** 2025- 24

SECONDED BY *Councillor Williams* **DATE** February 18, 2025


THAT the Council of the United Counties of Stormont, Dundas and Glengarry supports the Eastern Ontario Wardens' Caucus resolution of support regarding the Canadian and Ontario governments' measures they have put in place in response to the proposed U.S. tariffs on Canadian goods; and

THAT a copy of this resolution of support and the EOWC resolution be sent to MP Eric Duncan, MPP Nolan Quinn, the EOWC, and local SDG municipalities.

☒ CARRIED

☐ DEFEATED

☐ DEFERRED


WARDEN

Recorded Vote:

Councillor Bergeron	_____
Councillor Broad	_____
Councillor Densham	_____
Councillor Fraser	_____
Councillor Guindon	_____
Councillor Landry	_____
Councillor MacDonald	_____
Councillor McDonald	_____
Councillor McGillis	_____
Councillor St. Pierre	_____
Councillor Williams	_____
Warden Lang	_____

Resolution Number 2025-050

Title: Support of Canadian and Ontario Governments' Negotiations with the U.S.
Government on Trade Tariffs (S. Jaworski)

Date: Monday, February 24, 2025

Moved by Councillor Jaworski

Seconded by Councillor Bougie

WHEREAS the Township of South Glengarry, a lower tier municipality in the United Counties of Stormont, Dundas, and Glengarry and being a member of the Eastern Ontario Wardens' Caucus (EOWC) hereby supports the resolution passed by the EOWC attached hereto;

NOW THEREFORE BE IT RESOLVED THAT the Township of South Glengarry supports the Canadian and Ontario governments on the measures they have put in place in response to the proposed U.S. tariffs on Canadian goods and ask that they take any and all measures to protect the interests of Ontario in any upcoming trade negotiations and ensure municipalities are part of the coordinated Team Canada approach;

THAT the Canadian and Ontario governments remove any impediments to municipalities preferring Canadian companies and services for capital projects and other supplies;

THAT the Canadian and Ontario governments take action to remove trade barriers between provinces as a response to U.S. tariffs and support Canadian businesses;

THAT the Canadian and Ontario governments remove all legislative barriers that impact the ability to buy local, and indemnify municipalities should there be challenges to buying Canadian;

THAT the Canadian and Ontario governments continue to invest in infrastructure to provide stability, jobs, and support for our communities' social and economic prosperity over the long-term;

AND FINALLY THAT a copy of this resolution be sent to the Prime Minister of Canada, the Premier of Ontario, MP Eric Duncan, MPP Nolan Quinn, the Eastern Ontario Wardens' Caucus and the Association of Municipalities of Ontario.

CARRIED

TIED

DEFEATED

POSTPONED



Mayor Lachlan McDonald

Resolution: EOWC Support of Canadian and Ontario Governments' Negotiations with the United States Government on Trade Tariffs

Moved by: Corinna Smith-Gatcke, Warden of the United Counties of Leeds & Grenville
Seconded by: Steve Ferguson, Vice-Chair, EOWC / Mayor of Prince Edward County

Whereas the Canadian government is currently in negotiations with the United States (U.S.) government on their proposed 25% tariffs on Canadian goods exported to the U.S.; and

Whereas Canada's Prime Minister and Ontario's Premier have outlined several plans to combat the impact that the proposed tariffs would have on Ontario which focus on strengthening trade between Ontario and the U.S. while bringing jobs back home for workers on both sides of the border; and

Whereas the Canadian government has also outlined several ways to address the current relationship with the U.S. including establishing the Council on Canada-U.S. relations to support the federal government as it negotiates with the U.S. on tariffs; and

Whereas trade between Ontario and the U.S. is very important to our residents and local economies, and requires all levels of government to work together in the best interest of those residents; and

Whereas according to data from the Association of Municipalities of Ontario, across Ontario municipalities are expected to spend between \$250 and \$290 billion on infrastructure in the next 10 years; and

Whereas Ontario municipalities have traditionally treated trade partners equally and fairly in all procurements in accordance with our established international trade treaties; and

Whereas municipalities play a crucial role as part of the Team Canada approach to combat tariffs and support businesses in our procurement for capital and infrastructure programs; and

Whereas there are trade barriers between Canadian provinces and territories.

Therefore, be it resolved that the Eastern Ontario Wardens' Caucus supports the Canadian and Ontario governments on the measures they have put in-place in response to the proposed U.S. tariffs on Canadian goods and ask that they take any and all measures to protect the interests of Ontario in any upcoming trade negotiations, and ensure municipalities are part of the coordinated Team Canada approach;

And that the Canadian and Ontario governments remove any impediments to municipalities preferring Canadian companies and services for capital projects and other supplies;

And that the Canadian and Ontario governments take action to remove trade barriers between provinces as a response to U.S. tariffs and support Canadian businesses;

And that the Canadian and Ontario governments remove all legislative barriers that impact the ability to buy local, and indemnify municipalities should there be challenges to buying Canadian;

And that the Canadian and Ontario governments continue to invest in infrastructure to provide stability, jobs, and support our communities' social and economic prosperity over the long-term.

Be it further resolved, that copies of this motion be sent to:

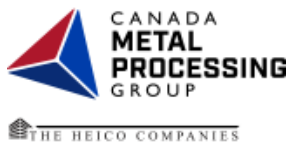
- The Right Hon. Justin Trudeau, Prime Minister of Canada
- The Hon. Melanie Joly, Minister of Foreign Affairs
- The Hon. Nate Erskine-Smith, Minister of Housing, Infrastructure and Communities
- Doug Ford, Leader of the Progressive Conservative Party
- Marit Stiles, Leader of the Ontario New Democratic Party
- Bonnie Crombie, Leader of the Ontario Liberal Party
- Mike Schreiner, Leader of the Ontario Green Party
- Ontario's Minister of Economic Development, Job Creation and Trade
- Ontario's Minister of Municipal Affairs and Housing
- Rebecca Bligh, President, FCM and Councillor, City of Vancouver
- Robin Jones, President, AMO and Mayor of Westport
- Christa Lowry, Chair, Rural Ontario Municipal Association
- Jeff Leal, Chair, Eastern Ontario Leadership Council
- John Beddows, Chair, Eastern Ontario Mayors' Caucus
- All regional Members of Canadian Parliament
- All candidates running as Ontario Members of Parliament
- All of Ontario's municipalities for their support

Carried

A handwritten signature in cursive script that reads "Bonnie Clark".

Chair Bonnie Clark, EOWC

February 10, 2025



Source: Canada Metal Processing Group

February 24, 2025 10:32 ET

Canada Metal Processing Group announces steps to respond to U.S. tariff threats on steel sector

BROSSARD, Quebec, Feb. 24, 2025 (GLOBE NEWSWIRE) -- Canada Metal Processing Group (MPG Canada) and its subsidiaries, Ivaco Rolling Mills, Sivaco, and Infasco, are announcing the difficult but necessary steps to respond to the current challenging market environment and the threat of incoming tariffs from the United States on steel and steel derivatives. These measures will help maintain the majority of MPG Canada's footprint and workforce while reacting to the impact that these threats are already having on the company's demand for its products destined directly and indirectly, via our Canadian customers, to U.S. customers.

In light of lower anticipated demand and production volume, due to U.S. tariff threats and trade challenges in Canada with increasing imports, the measures include a workforce reduction of 140 production and office employees in Ontario and Quebec, implementation of cost savings actions, and the cancellation or pause of some projects. These steps will enable MPG Canada to remain competitive to service our customers and protect the business in the short-term.

"This was an extremely difficult decision for our company, and not one that was made lightly, but necessary for the business in the current environment," said MPG Canada President Matt Walker. "Our employees are the backbone of our operations. They work hard, day in and day out, to create steel products which are recognized for their quality and good customer service while being an integral part of the Canada-U.S. supply chain."

Soft market in 2024, weak North American macroeconomic demand linked to a U.S. election year, the increased challenge of unfair trade imports into Canada, and now the imminent threat of 25% U.S. tariffs on steel sector and 25% on all Canadian products into the U.S., are having serious impacts on the demand for MPG Canada products.

"While it is impossible at this juncture to predict how long these actions by the United States will last, the Canadian government must be prepared to react quickly to safeguard the long-term viability of Canadian steel product manufacturers, and the collective job security of our employees," said Walker. "Maintaining a healthy domestic steel manufacturing industry and their customer base, who transform steel to steel products, is critical to the economic stability of an independent and autonomous sovereign nation. Steel is a foundational industry to produce core products and infrastructure for essential industries e.g., defence, energy supply both fossil fuels and green energy, majority of industrial manufacturing e.g., automotive, transport, heavy equipment and essential for housing and infrastructure construction."

In the face of U.S. tariff threats, and as the Canadian Steel Producer Association (CSPA) members have been advocating, MPG Canada calls on the Canadian government to immediately:

- Prepare to implement matching retaliatory tariff measures without any consultation delay.
- Provide support for workers and businesses during this economic crisis.
- Prevent the ever-increasing unfairly traded imports from other countries into Canada and protect the domestic industry by instituting broad Section 53 surtaxes, without any possible exemptions.

- Promote buying Canadian steel, with its much lower carbon intensity than imports.
- Work in collaboration with the U.S. to create an aligned North American steel trade market for melted and poured North American steel

About Canada Metal Processing Group

The Heico Companies' Canada Metal Processing Group operates three businesses (Ivaco Rolling Mills, Sivaco, and Infasco) over 6 manufacturing sites in Quebec and Ontario and employs approximately 1600 individuals. The organization operates a state-of-the-art electric arc furnace (EAF) steel plant and billet caster, a two-strand rod mill, a rod processing facility, two wire mills, a bolt manufacturing facility, a nut manufacturing facility and a steel fastener coating facility. Canada Metal Processing Group strives to offer the best customer experience by delivering high-value and sustainably engineered steel products across North America.

For media inquiries, please contact:

Frédéric Perron | Director, Marketing and Business Development
Canada Metal Processing Group, part of The Heico Companies
fperron@mpg.heicocompanies.com

Township of Champlain

**Resolution
Regular Council Meeting**

Agenda Number: 15.3.
Resolution Number 2025-071
Title: Canada Metal Processing Group - Announcement on steps to respond to U.S. tariff threats on the steel sector
Date: February 27, 2025

Moved By: Paul Emile Duval
Seconded By: Michel Lalonde

Whereas maintaining a healthy domestic steel manufacturing industry and its customer base, who transform steel into steel products, is critical to the economic stability of an independent and autonomous sovereign nation; and

Whereas Steel is a foundational industry to produce core products and infrastructure for essential industries e.g., defence, energy supply both fossil fuels and green energy, majority of industrial manufacturing e.g., automotive, transport, heavy equipment and essential for housing and infrastructure construction; and

Whereas the Heico Companies' Canada Metal Processing Group ("MPG Canada") operates three businesses (Ivaco Rolling Mills, Sivaco, and Infasco) over 6 manufacturing sites in Quebec and Ontario and employs approximately 1600 individuals. The organization operates a state-of-the-art electric arc furnace (EAF) steel plant and billet caster, a two-strand rod mill, a rod processing facility, two wire mills, a bolt manufacturing facility, a nut manufacturing facility and a steel fastener coating facility. MPG Canada strives to offer the best customer experience by delivering high-value and sustainably engineered steel products across North America; and

Whereas, in the face of U.S. tariff threats, and as the Canadian Steel Producer Association (CSPA) members have been advocating, MPG Canada calls on the Canadian government to be prepared to react quickly to safeguard the long-term viability of Canadian steel product manufacturers, and the collective job security of its employees.

Be it resolved that the Township of Champlain supports The Canada Metal Processing Group ("MPG Canada") in its request to the Canadian Government to immediately:

- Prepare to implement matching retaliatory tariff measures without any consultation delay;
- Provide support for workers and businesses during this economic crisis;
- Prevent the ever-increasing unfairly traded imports from other countries into Canada and protect the domestic industry by instituting broad Section 53 surtaxes, without any possible exemptions;
- Promote buying Canadian steel, with its much lower carbon intensity than imports; and
- Work in collaboration with the U.S. to create an aligned North American steel trade market for melted and poured North American steel.

Be it further resolved that this Resolution be circulated to:

- The Right Hon. Justin Trudeau (Prime Minister of Canada),
- The Hon. Melanie Joly (Minister of Foreign Affairs, Canada),
 - The Hon. Nate Erskine-Smith (Minister of Housing, Infrastructure and Communities, Canada),
 - Premier of Ontario,
 - Ontario's Minister of Economic Development, Job Creation and Trade,
 - Ontario's Minister of Municipal Affairs and Housing,
 - Federation of Canadian Municipalities (FCM),
 - Association of Municipalities of Ontario (AMO),

- Rural Ontario Municipal Association (ROMA),
- Eastern Ontario Wardens' Caucus,
- The Hon. Francis Drouin, MP - Glengarry-Prescott-Russell,
- Member of Provincial Parliament, MPP – Glengarry-Prescott-Russell,
- The Canadian Steel Producer Association,• MPG Canada,
- The Association of Municipalities of Ontario, and
- All of Ontario's municipalities.

Carried

Certified True Copy of Resolution

Alison Collard, Clerk Date:

**Canton de Champlain
Résolution
Réunion régulière du Conseil**

No. du point à l'ordre du jour: 15.3.
No. du point 2025-071
Titre: Canada Metal Processing Group - Annonce des mesures à prendre pour répondre aux menaces tarifaires américaines sur le secteur de l'acier
Date: le 27 février 2025

Proposée par: Paul Emile Duval
Appuyée par: Michel Lalonde

Attendu que le maintien d'une industrie sidérurgique nationale saine et de sa clientèle, qui transforme l'acier en produits sidérurgiques, est essentiel à la stabilité économique d'une nation souveraine indépendante et autonome ; et

Attendu que l'acier est une industrie fondamentale pour la production de produits de base et d'infrastructures pour des industries essentielles telles que la défense, l'approvisionnement en énergie, qu'il s'agisse de combustibles fossiles ou d'énergie verte, la majorité des industries manufacturières telles que l'automobile, le transport, l'équipement lourd, ainsi que la construction de logements et d'infrastructures ; et

Attendu que le Groupe de transformation des métaux Canada (« MPG Canada ») de Heico Companies exploite trois entreprises (Ivaco Rolling Mills, Sivaco et Infasco) sur six sites de fabrication au Québec et en Ontario et qu'il emploie environ 1 600 personnes. L'organisation exploite une aciérie à four électrique à arc (FEA) ultramoderne et une coulée de billettes, un laminoir à barres à deux brins, une installation de traitement des barres, deux laminoirs à fil, une installation de fabrication de boulons, une installation de fabrication d'écrous et une installation de revêtement d'attaches en acier. MPG Canada s'efforce d'offrir la meilleure expérience à ses clients en livrant des produits sidérurgiques de grande valeur et de conception durable dans toute l'Amérique du Nord ; et

Attendu que, face aux menaces de tarifs américains, et comme les membres de l'Association canadienne des producteurs d'acier (ACPA) l'ont préconisé, MPG Canada demande au gouvernement canadien d'être prêt à réagir rapidement pour protéger la viabilité à long terme des fabricants canadiens de produits d'acier et la sécurité d'emploi collective de ses employés.

Qu'il soit résolu que le Canton de Champlain appuie le Canada Metal Processing Group (« MPG Canada ») dans sa demande au gouvernement canadien de réagir immédiatement :

- Se préparer à mettre en œuvre des mesures tarifaires de rétorsion correspondantes sans délai de consultation ;
- Soutenir les travailleurs et les entreprises pendant cette crise économique ;
- Empêcher l'augmentation constante des importations déloyales d'autres pays vers le Canada et protéger l'industrie nationale en instituant de larges surtaxes au titre de l'article 53, sans aucune exemption possible ;
- Promouvoir l'achat d'acier canadien, dont l'intensité en carbone est bien inférieure à celle des importations ; et
- Travailler en collaboration avec les États-Unis pour créer un marché nord-américain aligné pour l'acier nord-américain fondu et coulé.

De plus, qu'il soit résolu que la présente résolution soit diffusée auprès de :

- Le très honorable Justin Trudeau (Premier ministre du Canada),
- L'honorable Mélanie Joly (ministre des Affaires étrangères Canada),
- L'honorable Nate Erskine-Smith (ministre du Logement, de l'Infrastructure et des Collectivités Canada),
- le premier ministre de l'Ontario,
- Le ministre du Développement économique, de la Création d'emplois et du Commerce de l'Ontario,
- le ministre des Affaires municipales et du Logement de l'Ontario,

- Fédération canadienne des municipalités (FCM),
- Association des municipalités de l'Ontario (AMO),
- l'Association des municipalités rurales de l'Ontario (ROMA),
- le Caucus des gardiens de l'Est de l'Ontario,
- L'honorable Francis Drouin, député de Glengarry-Prescott-Russell,
- Membre du Parlement provincial, MPP - Glengarry-Prescott-Russell,
- L'Association canadienne des producteurs d'acier,
- MPG Canada,
- L'Association des municipalités de l'Ontario, et
- Toutes les municipalités de l'Ontario

Adoptée

Copie certifiée conforme

Alison Collard, greffière Date :



March 4, 2025

The Honourable Doug Ford
Premier of Ontario
Legislative Building, Queen's Park
Toronto, ON M7A 1A1

The Right Honourable Justin Trudeau
Office of the Prime Minister
80 Wellington Street
Ottawa, ON K1A 0A2

Via Email: premier@ontario.ca

Via Email: justin.trudeau@parl.gc.ca

Re: Tariffs on Canadian Production

Council of the Town of LaSalle, at its Regular Meeting held Tuesday, February 25, 2025 passed the following resolution:

40/25

Moved by: Deputy Mayor Akpata

Seconded by: Councillor Riccio-Spagnuolo

Whereas the recent threats of an imposition on tariffs on Canadian production will have a substantial effect on the items produced in the County of Essex and purchased in the Town of LaSalle;

And Whereas there has only been a 30-day reprieve granted;

And Whereas, a tariff on Canadian steel and aluminum has been threatened;

And Whereas, these tariffs were going to be applied by another country and therefore can be deemed as being external to the Province and Country;

And Whereas, the interprovincial trade has been deemed by the Canadian Federation of Independent Business (CFIB) to represent 18% of Canada's GDP.

And Whereas, the CFIP released a report that said removing interprovincial barriers could boost the economy by up to \$200 billion annually;

And Whereas, items produced, grown, and manufactured in Essex County are sent across Canada;

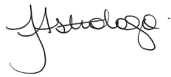
And Whereas, persons in the Town of LaSalle purchase goods manufactured in many provinces and from across the country, and these goods are in many cases subject to interprovincial barriers.

Be It Resolved that, the Town of LaSalle calls upon both the Provincial and Federal Governments to eliminate interprovincial trade barriers to ensure that items produced in the County of Essex and that Canadian items purchased in the Town of LaSalle are no longer subject to these interprovincial trade barriers.

Carried.

Please consider this letter as confirmation of the Town of LaSalle's support of the above matter.

Yours Truly,



Jennifer Astrologo
Director of Council Services/Clerk
Town of LaSalle
jastrologo@lasalle.ca

cc: Association of Municipalities of Ontario resolutions@amo.on.ca
All Ontario Municipalities

**Resolution
Regular Council Meeting**



Agenda Number: 15.2.
Resolution Number 25-054
Title: 25-R-22 Northern Highway Safety Plan
Date: Monday, February 24, 2025

Moved by: M. Lubbock
Seconded by: S. Cote

WHEREAS THE TransCanada Highway is the road system meant to move goods and people across the country, but it is no longer equipped to do that safely in Northern Ontario.

NOW THEREFORE BE IT RESOLVED THAT the Council of the Township of Coleman hereby support the Northern Highway Safety Plan proposed by MPP Guy Bourgouin, MPP Lise Vaugeois and MPP John Vanthof which includes the following;

Immediate Actions:

- Require all new drivers to be tested by MTO-certified inspectors instead of third-party companies.
- Return highway maintenance operations to the MTO while working with northern contractors.
- Increase staff at inspection sites, weigh scales, and OPP traffic enforcement.
- Expedite the 2+1 highway pilot project and use excavated material to build additional rest stops and parking areas.

Short-Term Improvements:

- Mandate snow tires for all passenger vehicles in Northern Ontario.
- Ensure driving schools comply with the MELT training system and improve MELT to include winter driving training.
- Address the abuse of "self-insurance provisions" and ensure fair payment for tow truck operators and service providers.
- Require all commercial vehicles to have dash cams.
- Increase the use of traffic cameras and photo radar to reduce speeding.
- Promote rail transport to reduce commercial truck traffic on northern highways.
- Upload connecting links back to the provincial highway system for consistent maintenance.
- Upgrade and expand rest stops with heated washrooms to meet traveler needs.
- Provide compensation to municipalities for damage to local roads caused by highway detours.

Long-Term Solutions:

- Widen and pave all shoulders on Highways 11 and 17.
- Convert Highways 11 and 17 into divided four-lane highways where possible or implement a continuous three-lane system if the 2+1 project proves successful.

AND FURTHER THAT a copy of this resolution be forwarded to the Minister of Transportation; the Minister of Municipal Affairs & Housing; all Provincial Leaders; the Temiskaming Municipal Association; the Federation of Northern Ontario Municipalities (FONOM); the Northwestern Ontario Municipal Association (NOMA); and all municipalities in Ontario.

CARRIED

Certified True Copy



Christopher W. Oslund
CAO/Clerk - Treasurer



January 24, 2025

MPP Guy Bourgouin *Mushkegowuk-James Bay*
MPP Lise Vaugeois *Thunder Bay-Superior North*
MPP John Vanthof *Timiskaming Cochrane*

NORTHERN HIGHWAY SAFETY PLAN

Introduction

Safety on the TransCanada Highways 11 and 17 continues to be the number one concern for most residents of Northern Ontario because they are our main streets. We use these highways to get to work, school, hockey, and medical appointments, but we share them with thousands of cross-country commercial trucks. As a result, Northern MPPs have had a lot to say over the years about the state of highways in the North and for good reason.

Years ago, the problem was proper and consistent winter maintenance. The Liberal government in power at the time claimed everything was fine, so MPP Vanthof's office created the Northern Road Report to show that it wasn't. The Minister of Transportation (MTO) demanded that the report be taken down, but in the end the Northern Road Report helped prove that even when contract requirements were being met, people were still being put at risk. As a result, the government of the day was forced to make changes to the system.

MPP Bourgouin introduced legislation to make maintenance standards the same across the TransCanada system, so that 11 north of North Bay would be maintained to the same standard as south. The legislation was defeated, but the government did create a separate standard for the northern portion of the TransCanada highway. MPP Bourgouin has also introduced other pieces of legislation regarding driver training and not being able to pass on double solid lines. This was defeated, but he remains committed to finding ways to solve safety issues the same as his fellow Northern MPPs. Similarly, MPP Vaugeois introduced a motion that driver testing be taken back by the MTO which would have been an effective way for the government to control the standard of drivers on the roads. All three members have been vocal in the legislature regarding highway safety throughout their careers.

We are once again facing a highway safety crisis, one that we believe requires a plan designed by Northerners for Northerners. It contains clear goals that we can push government of whatever stripe to implement for all our families.

Current Situation

Currently some poorly trained commercial vehicle drivers and the companies they work for are putting all other drivers at undue risk. Incidents have been easy to track on social media. Investigative reports on the problems in commercial truck training and licensing, and from the Auditor General of Ontario identified this problem as far back as 2018. We, Northern MPPs have mentioned this issue many times in the legislature. The response from the government has been that these are the safest roads in North America, and that they are looking into the matter.



January 25, 2025

MPP Guy Bourgouin *Mushkegowuk-James Bay*
MPP Lise Vaugeois *Thunder Bay-Superior North*
MPP John Vanthof *Timiskaming Cochrane*

Regardless of political stance, we hope that we can all agree that one of the basic jobs of any government is to ensure that people who are issued a driver's license are capable of safely driving the vehicle for which they are licensed. There are over a hundred companies in Ontario who recruit, train, and license their own drivers and they can issue Ontario licenses to them. These are among the worst offenders. Of course there are still good driving schools, and companies that provide excellent training programs to their new drivers, but not all of them. Change needs to happen in the immediate and long term, and we are proposing a plan to address these needs. First, there needs to be immediate action by the Ministry to ensure that only properly-trained drivers are graduating by appointing employees of the MTO to conduct driving tests for all new commercial vehicle drivers before they can receive a license.

Immediate Ask

- Have all new drivers tested by MTO certified inspectors, not third-party private companies. If their student drivers can't pass a legitimate road test, then these driving schools will be forced to change how they conduct business.

Short-Term

- Return the management of highway maintenance operations to the MTO, while working with contractors and providers throughout the North.
- Increase staffing at scales and inspection sites, as well as OPP Traffic enforcement to ensure the laws currently in place are being followed.
- Expedite the 2+1 pilot project and the construction of rest stops. Use the fill that is dug out to rebuild sections of the highway to create parking pull offs.

Medium-Term

- Make snow tires mandatory for all passenger vehicles registered in Northern Ontario.
- Ensure that driving schools comply with the current MELT training system.
- Reform issues within MELT itself and expand requirements to include winter driving training.
- Address the current abuse of "self insurance provisions" and ensure tow truck operators and other service providers can get paid for services from these schemes.
- Require that all commercial motor vehicles have dash cams.
- Increase the number of cameras and photo radar to slow down traffic.
- Emphasize rail to move goods so not as many loads must travel on the highway.
- Return connecting links to the provincial highway system so that maintenance is uniform.
- Better equip and increase the availability of rest stops with heated, maintained washrooms.
- Direct the cost of repairing damage to municipal roads caused by detour traffic from highway closures to the MTO.

Long-Term

- Widen and pave all shoulders on Highways 11 and 17.
- Make Highway 11 and 17 a divided four-lane highway wherever possible.
 - If the 2+1 pilot proves successful, a continuous three lane would be a good intermediate step. The TransCanada Highway is the road system meant to move goods and people



January 25, 2025

MPP Guy Bourgouin *Mushkegowuk-James Bay*
MPP Lise Vaugeois *Thunder Bay-Superior North*
MPP John Vanthof *Timiskaming Cochrane*

This plan is designed to be a living document. The goals here have been suggested by industry stakeholders, drivers, municipalities and others. We are open to suggestions, ideas, and constructive criticism. Please send us your comments. By working together, we are hoping to make the highway safer for all our families.

MPP Guy Bourgouin
MPP Lise Vaugeois
MPP John Vanthof



SEND A LETTER TO THE MINISTER

<https://win.newmode.net/mppguybourgouin/sendalettertothe Ministeroftransportation>



CONTACT US

gbourgouin-qp@ndp.on.ca
lvaugeois-co@ndp.on.ca
jvanthof-qp@npd.on.ca



MPP Bourgouin: 705-335-7351
MPP Vauegois: 807-345-3647
MPP Vanthof: 1-888-701-1105



THE CORPORATION OF THE TOWNSHIP OF MCGARRY
P.O. BOX 99
VIRGINIATOWN, ON. P0K 1X0
705-634-2145, Fax 705-634-2700

MOVED BY COUNCILLOR:

☐ Louanne Caza
☒ Elaine Fic
☐ Annie Keft
☐ Francine Plante
☐ Mayor Culhane

SECONDED BY COUNCILLOR:

☒ Louanne Caza
☐ Elaine Fic
☐ Annie Keft
☐ Francine Plante
☐ Mayor Culhane

RESOLUTION # 47/2025

DATE : February 18, 2025

WHEREAS Ontario is facing a significant affordable housing crisis, with many residents struggling to secure safe and affordable living accommodations;

AND WHEREAS the crisis of homelessness in Ontario continues to affect thousands of individuals and families, necessitating urgent and effective housing solutions;

AND WHEREAS the current Ontario Building Code contains regulations that may inadvertently hinder the development of affordable housing by imposing excessive costs and barriers on individuals and developers;

AND WHEREAS current building code regulations may restrict the development of innovative housing solutions designed to address the needs of homeless individuals and families;

AND WHEREAS an increase in affordable housing units is essential to promote economic stability, community well-being, and social equity within Ontario;

AND WHEREAS providing pre-approved affordable housing plans can streamline the construction process, reduce costs, and facilitate quicker access to housing for those in need;

THAT the Council of the Township of McGarry hereby calls on the Ontario government to amend the Ontario Building Code to include provisions for pre-approved affordable housing plans specifically aimed at supporting low income and homeless individuals, including:

1. Standardized Designs: Creating a set of pre-approved housing designs that meet safety and quality standards while being cost-effective and quick to construct.
2. Flexible Design Standards: Allowing for innovative building designs and materials that meet affordability criteria while ensuring safety and livability.
3. Community Integration: Ensuring that these housing designs can be integrated into existing neighborhoods in a way that respects community character and promotes acceptance.
4. Support for Diverse Models Including options for various types of housing, such as tiny homes, modular units, and converted shipping containers, to cater to different needs and preferences.

AND FURTHER the Council of the Township of McGarry encourages the Ontario government to engage with stakeholders, including architects, housing advocates, and service providers, to develop these pre-approved plans that effectively address the needs of low income and homeless individuals;

AND FURTHER THAT this resolution be provided to Hon. Doug Ford, Premier of Ontario, Hon. Paul Calandra, Minister of Municipal Affairs and Housing, Hon. Micheal Parsa, Minister of Children, Community and Social Services, Hon. Victor Fedeli, Chair of Cabinet, Minister of Economic Development, Job Creation and Trade, Association of Ontario, Ontario Building Officials Association, Municipalities of Ontario.

Recorded vote requested by _____

	For	Against
Councillor Louanne Caza		
Councillor Elaine Fic		
Councillor Annie Keft		
Councillor Francine Plante		
Mayor Bonita Culhane		

<i>Disclosure of Pecuniary Interest *</i>

I declare this motion

<input checked="" type="checkbox"/> Carried
<input type="checkbox"/> Lost / Defeated
<input type="checkbox"/> Deferred to: _____ (enter date)
Because:
<input type="checkbox"/> Referred to: _____ (enter body)
Expected response: _____ (enter date)

Signature of Chair:

 _____

**Disclosed his/her (their) interest(s), abstained from discussion and did not vote on this question.*



A Proclamation on World Autism Day 2025

Whereas:

World Autism Day is recognized on April 2, 2025, in Canada. Autism Ontario is one of the largest collective voices representing the autism community, and the work we do helps all autistic individuals and families in their communities have access to meaningful support, information, and connections — not only on April 2 but every day throughout the year.

Whereas:

Autism impacts more than 135,000 individuals in Ontario, representing 1 in every 50 Canadian children and youth. It not only influences the lives of autistics but also their friends, families, and communities. It's crucial for us to raise awareness, and acceptance, provide support and promote a more inclusive society.

Whereas:

Autism is a diverse spectrum that varies widely among individuals. Each person's experience with autism can change over time. This evolving journey highlights the uniqueness of every autistic individual, emphasizing the need for understanding and support tailored to their specific needs.

Whereas:

Autism Ontario is the leading source of information and referral on autism, and since 1973, has been providing support, information, and opportunities for thousands of families and individuals across the province.

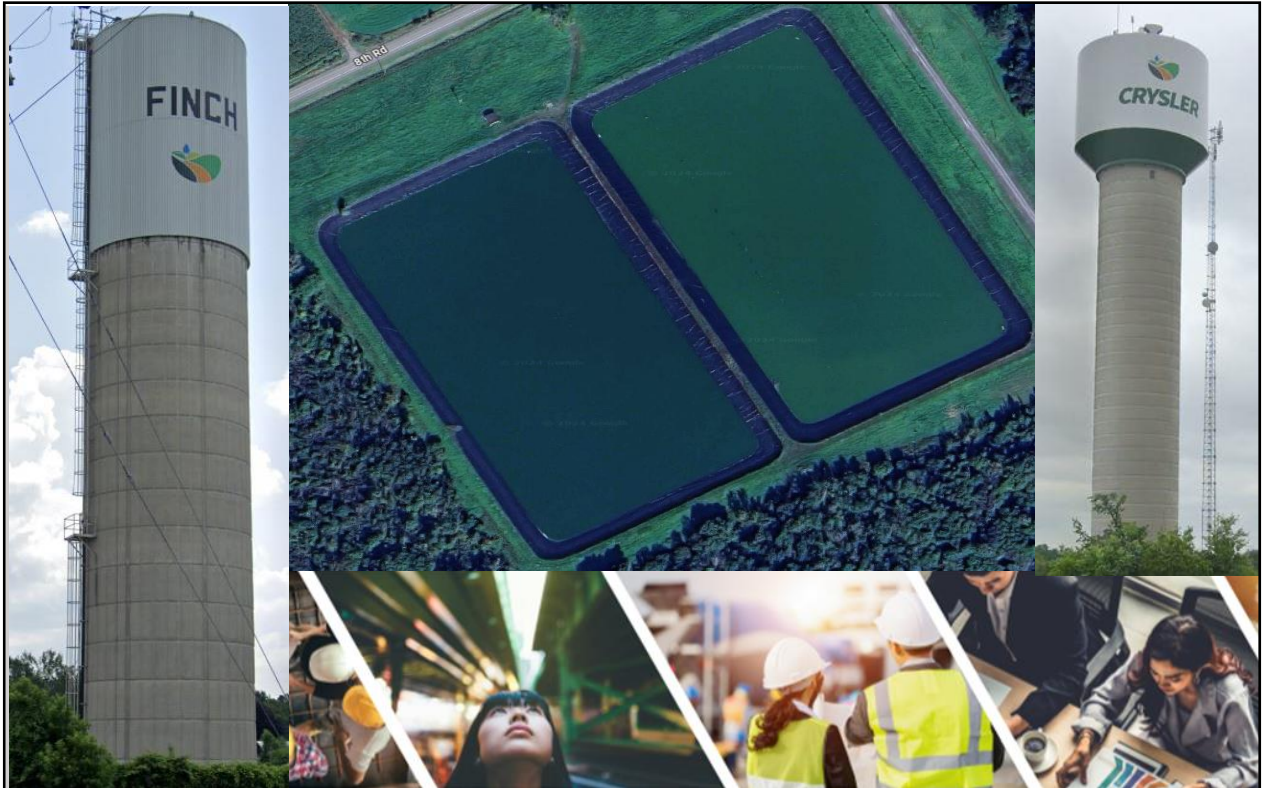
Whereas:

Autism Ontario is devoted to raising public awareness about autism and addressing the everyday challenges faced by individuals with autism, their families, and the professionals who work alongside them. We urge everyone to recognize and celebrate the unique differences and needs of others, fostering an inclusive environment where all individuals can participate fully in activities and discussions. Together, we can create a society that values and includes everyone.

Now Therefore:

BE IT RESOLVED that I, (insert Mayor name or designate), do hereby recognize April 2 as World Autism Day while committing to embrace awareness and acceptance today and every day throughout the year.

Dated at (municipality), Ontario this 2nd day of April 2025.



Township of North Stormont

Villages of Crysler, Finch and Moose Creek Water and Wastewater Master Plan

February 12, 2024



R.V. Anderson Associates Limited
1750 Courtwood Crescent
Suite 220
Ottawa, ON, K2C 2B5

RVA 226348

February 12, 2025

The Township of North Stormont
15 Rue Union Street, P.O. Box 99
Berwick, ON, K0C 1G0

Attention: Craig Calder
CAO / Clerk

Dear Mr. Calder:

**Re: Villages of Crysler, Finch, and Moose Creek
Water and Wastewater Master Plan**

Please find attached the final version of the Water and Wastewater Master Plan (W/WW MP) for the Township of North Stormont (Township). The Township is responsible for the provision of water and wastewater services to its serviced communities and has undertaken this study to develop, evaluate and select preferred long-term water and wastewater servicing strategies to support existing servicing needs and accommodate future projected population and employment growth to the year 2051. This report covers the following:

- The legislative and planning background to W/WW MP including the Municipal Class Environmental Assessment Process and assumptions on population growth;
- The consultation and engagement that has been undertaken;
- The evaluation criteria used in the W/WW MP;
- The Water Master Plan covering service requirements to meet expected water demand solutions to provide servicing to 2051;
- The Wastewater Master Plan covering service requirements to meet expected wastewater flow solutions to provide servicing to 2051;
- Project Recommendations; and
- A proposed Capital Implementation Plan.

This report has been updated post the 30-day Public Review Period as required by the MCEA process. This final report can now be issued with the Notice of Completion.

Township of North Stormont
February 12, 2025

-2-

R.V. Anderson Associates Limited

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED



Trevor Kealey, P.Eng.
Project Director
Cell: 613-794-6783
tkealey@rvanderson.com



Encls.: Township of North Stormont – Villages of Crysler, Finch and Moose Creek Master Plan Report

**Villages of Crysler, Finch, and Moose Creek
Water and Wastewater Master Plan**

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Appendix B – Stakeholder Consultation Log
Appendix C – Population Analysis

1.0 INTRODUCTION

1.1 Background

The Township of North Stormont (Township) is located in eastern Ontario and is one of six Townships that form the United Counties of Stormont, Dundas and Glengarry (County). Largely composed of rural communities, the Township has three main urban settlements – Finch, Crysler, and Moose Creek – that are fully serviced by municipal drinking water systems (DWS) and wastewater treatment systems (WWTS), and comprise business and commercial areas as well as community and residential areas. The remaining communities across the Township are primarily bedroom communities and agricultural areas with private servicing.

In 2023, the Township undertook the *Growth Management Strategy* study (2023, Watson & Associates Economists Ltd.), which identified that North Stormont is anticipated to accommodate 11% of the total residential population growth in the County from 2021 to 2051. Based on the 2018 County Official Plan, growth in each Township is to be directed to areas that are fully serviced by municipal water and wastewater infrastructure. In response, the Township has undertaken the Villages of Crysler, Finch, and Moose Creek Water & Wastewater Master Plan (W/WW MP) which provides a 30-year municipal services planning strategy for the three urban settlements.

1.2 Master Plan Objective

1.2.1 Problem and Opportunity Statement

The study follows the framework of the Municipal Engineers Association Class Environmental Assessment (MCEA) Process Master Plan Approach No.1. This includes Phase 1 – *Identify Problem & Opportunity Statement*; and part of Phase 2 - *Identify Alternative and Recommended Solutions* of the Class EA process. As the first step in Phase 1 of the Class EA process, the proponent (the Township) must identify and describe the problem or opportunity that the project is intended to address. In essence, the Problem and Opportunity (PaP) statement outlines the need and justification for the overall project and establishes the general parameters, or scope, of the study. The Township has chosen the following as its statement of the problem/opportunity to be addressed by the Master Plan:

The Township of North Stormont is undertaking a Master Servicing Plan for the Villages of Finch, Crysler, and Moose Creek to plan for additional water and wastewater servicing needed to accommodate future growth to the year of 2051.

1.2.2 Master Plan Objectives

This Master Plan identified key improvements to the existing water and wastewater infrastructure to service the short- and long-term needs of the villages. Key undertaking of the Master Plan process included:

- A background review of key water and wastewater services including water supply and storage, and wastewater collection and treatment;
- Analysis of the projected population growth and its impact on the future water demand and wastewater flows;
- Development of alternative solutions that are evaluated using a criterion established based on the Township's infrastructure management goals; and
- Public engagement to obtain consultation and feedback on the preferred solution.

The preferred solution/strategy for addressing the PaP statement was determined based on its potential to:

- Comply with applicable regulations to provide adequate water and wastewater servicing;
- Comply with the Official Plan and Growth Management Strategy;
- Consider stakeholder comments and concerns;
- Be financially viable;
- Be technically feasible and operationally sustainable; and
- Be socially and environmentally responsible.

Figure 1.1 to Figure 1.4 provide a layout of the key water and wastewater infrastructure across Finch, Crysler and Moose Creek.

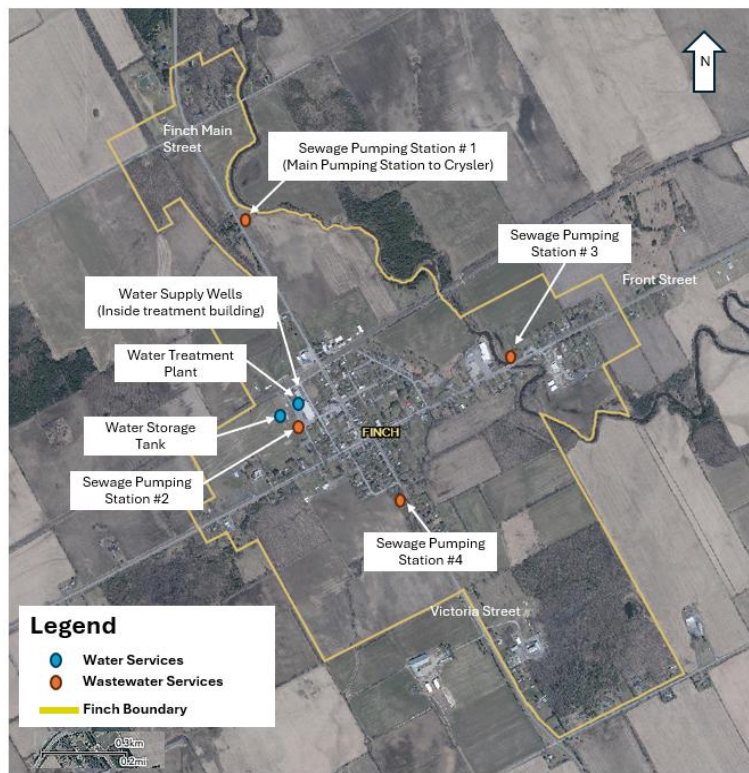


Figure 1.1: Study Area of the Village of Finch.

Finch’s wastewater is treated by the Crysler wastewater treatment lagoons. Finch’s wastewater collection system discharges to the Crysler wastewater collection system.



Figure 1.2: Study Area of the Village of Crysler (West)

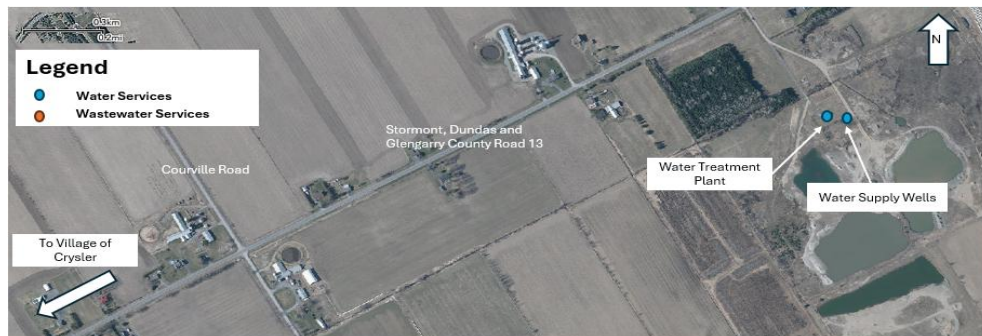


Figure 1.3: Study Area of the Village of Crysler (East)

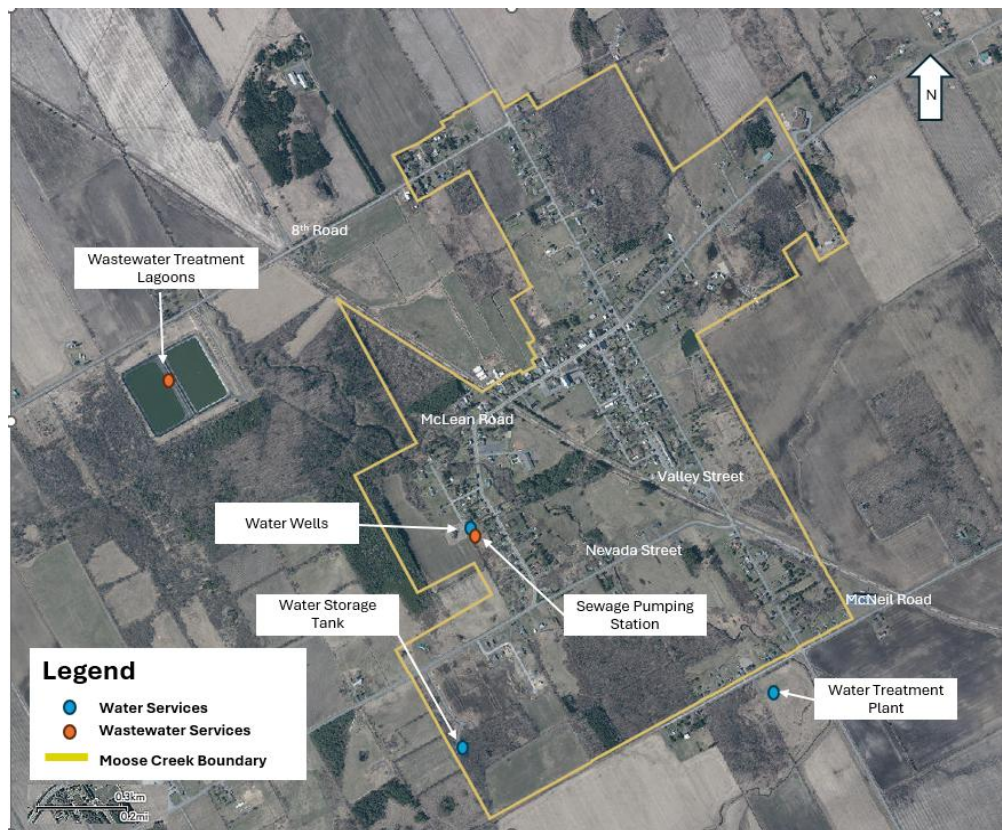


Figure 1.4: Study Area of the Village of Moose Creek

2.0 MASTER PLANNING PROCESS

2.1 Municipal Class Environmental Assessment Process

This Master Plan is being undertaken in accordance with the requirements of the Municipal Class Environmental Assessment (MCEA) as amended in March 2023. The MCEA sets out the Class Environmental (Class EA) planning process that a proponent must follow to meet the requirements of the Ontario Environmental Assessment Act for a class or category of infrastructure projects. The following are five elements in the Class EA planning process:

Phase 1 - Identification of problem (deficiency) or opportunity;

Phase 2 - Identification of alternative solutions to address the problem or opportunity. Public and review agency contact is mandatory during this phase and input received along with information on the existing environment is used to establish the preferred solution. It is at this point that the appropriate Schedule (B or C) is chosen for the undertaking. If Schedule B is chosen, the process and decisions are then documented in a Project File. Schedule C projects proceed through the following Phases;

Phase 3 - Examination of alternative methods of implementing the preferred solution established in Phase 2. This decision is based on the existing environment, public and review agency input, anticipated environmental effects and methods of minimizing negative effects and maximizing positive effects;

Phase 4 - Preparation of an Environmental Study Report summarizing the rationale, planning, design, and consultation process of the project through Phases 1-3. The ESR is then to be made available to agencies and the public for review; and

Phase 5 - Completion of contract drawings and documents. Construction and operation to proceed. Construction to be monitored for adherence to environmental provisions and commitments. Monitoring during operation may be necessary if there are special conditions.

2.2 Master Plan Process

2.2.1 Overview

The Master Plan Process provides the basis for developing a long-range plan which integrates infrastructure requirements for existing and future land use. The W/WWMP has been developed following Approach Number (No.) 1 of the MCEA process, which involves a

broad scope and a low level of assessment of the projects identified in the Master Plan. The process follows, at minimum, the same steps of the first two phases of the MCEA process, allowing integration of infrastructure requirements for existing and future land use with the MCEA process, including public and agency consultation. Therefore, any Schedule B and C projects as identified per the new MPAP will require a more detailed investigation at the project-specific level to fulfill the MCEA requirement. Figure 2.1 shows the MCEA Master Plan process, with the phases being completed by this Master Plan boxed in red.

2.2.2 Class EA Project Schedules

The projects identified via the Master Planning process are divided into schedules based on their type, and the schedules are further categorized as either **Exempt**, **Schedule B** or **Schedule C** based on the magnitude of their anticipated environmental impact. These are described briefly in the following paragraphs.

Exempt projects include various municipal maintenance, operational activities, rehabilitation works, minor reconstruction or replacement of existing facilities, and new facilities that are limited in scale and have minimal adverse effects on the environment. These projects are exempt from the requirements of the Environmental Assessment Act.

Schedule B projects are those which have a potential for adverse environmental effects. A screening process must be undertaken which includes consultation with directly affected public and relevant review agencies. Projects generally include improvements and minor expansions to existing facilities. The project process must be filed, and all documentation prepared for public and agency review.

Schedule C projects have the potential for significant environmental effects and must follow the full planning and documentation procedures specified in the Class EA document. An Environmental Study Report (ESR) must be prepared and filed for review by public and review agencies. Projects generally include the construction of new facilities and major expansions to existing facilities.

2.2.3 Requirements for Compliance with Regulations and Permitting Process

While the MPAP effectively reduces the timelines for undertaking Class EA, it is not necessarily the Class EA process that is the time critical component in project planning and implementation. The MPAP requires approvals and clearances from agencies to be obtained and given the complexity and potential impacts to the environment, the overall timeline may not be significantly reduced. One example is the requirement to obtain an Environmental Compliance Certificate (ECA) for sewage works from the MECP. If major items are not reviewed and decided at or before the Class EA with local MECP staff, then

there is an elevated risk that the ECA application will be rejected, or rework will be required, and the assumed costs carried in the Class EA or the project may no longer be valid.

2.2.4 Level of Cost Opinions

ASTM E 2516 (Standard Classification for Cost Estimate Classification System) provides a five-level classification system based on several characteristics, with the primary characteristic being the level of project definition (i.e., percentage of design completion). Table 2.1 illustrates the typical accuracy ranges that maybe associated with the general building industries. The cost estimate developed in this report would be best described as a Class 5 Cost Estimate which is typically used for high level study projects.

Table 2.1: ASTM E2516 Accuracy Range of Cost Opinions

Cost Estimate Class	Expressed as % of Design Completion	Anticipated Accuracy Range as % of Actual Cost
5	0-2	-30 to +50
4	1-15	-20 to +30
3	10-40	-15 to +20
2	30-70	-10 to +15
1	50-100	-5 to +10

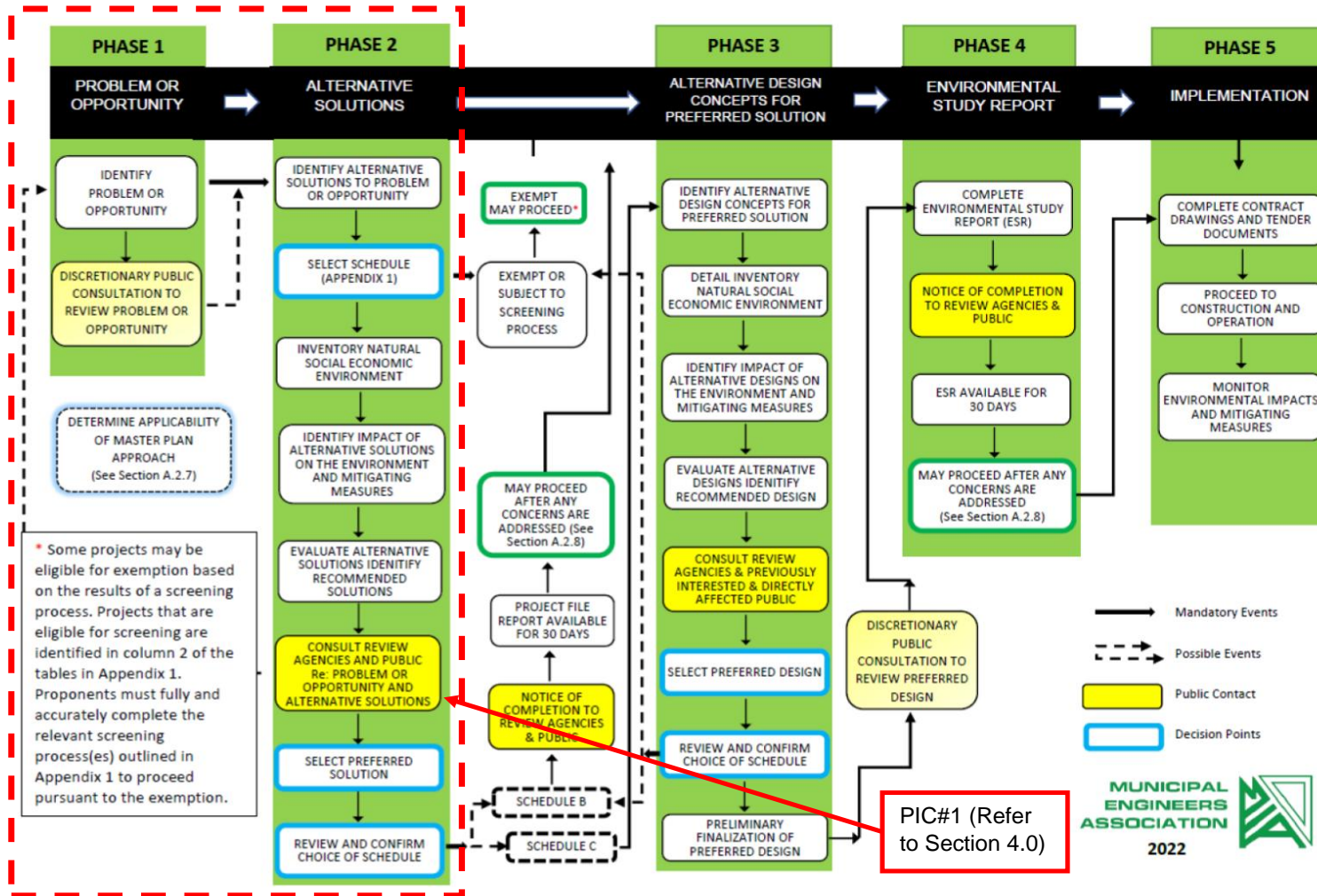


Figure 2.1: Municipal Class EA Planning and Design Process, Exhibit A.2

3.0 REFERENCED LEGISLATIONS AND POLICIES

3.1 Legislations

3.1.1 Provincial Acts and Regulations

The following Provincial Acts and Regulations were referenced for the development of the W/WW Master Plan. Details for each are provided in Appendix A.

- Environmental Assessment Act (EAA)
- Environmental Protection Act (EPA)
- Ontario Water Resources Act (OWRA)
- Water Opportunities and Water Conservation Act (WCA)
- Nutrient Management Act (NMA)
- Safe Drinking Water Act (SDWA)
- Clean Water Act (CWA)
- Sustainable Water and Sewage Systems Act
- Provincial Policy Statement 2020

3.1.2 Federal Acts and Regulations

The following Federal Acts were referenced for the development of the W/WW Master Plan. Details for each are provided in Appendix A.

- Federal Fisheries Act.
- Species at Risk Act.
- Endangered Species Act.

3.2 County and Township Policies

3.2.1 United Counties Official Plan

The *United Counties of Stormont, Dundas, and Glengarry Official Plan* (Official Plan) recognizes Finch, Crysler and Moose Creek as Urban Settlement Areas, which are defined as communities with a diverse mix of land uses and full or partial municipal sewage and water services. The Official Plan provides the following objectives that was used to develop the water and wastewater servicing recommendations for this Master Plan:

1. Growth will focus on re-development and intensification that best uses existing or planned public services including municipal water and wastewater systems;

2. Servicing capacity, including calculation of uncommitted reserve capacity for water supply and sewage disposal, will be considered at all stages of the planning process to ensure efficient use and optimization of existing sewage and water services.
3. Planned infrastructure should be designed to meet the growth and development projections or capacity requirements of settlement areas for a 10 to 20-year period. Extensions or expansion to existing infrastructure should not be made which are unnecessary or uneconomical. Infrastructure improvements may be made to address public health or safety issues.
4. Full water and sewage disposal services are the preferred servicing for urban settlement development. Private Communal sewage and water servicing shall be strongly discouraged for any development. Development may be permitted on individual on-site water and sewage systems outside service limits but within the Settlement Areas where pockets of private services exist or if the site is suitable for the long-term provision of such services with no negative impacts. In settlement areas, these services may be used for infilling and minor rounding out of existing development.
5. Reserve capacity for private communal sewage services and individual on-site sewage services is considered sufficient if the hauled sewage from the development can be treated and land-applied on agricultural land under the Nutrient Management Act, or disposed of at sites approved under the Environmental Protection Act or the Ontario Water Resources Act.
6. Generally, facility expansion or infiltration control should be considered when effluent flows reach 80% of the daily design capacity.

3.2.2 Municipal Asset Management

3.2.2.1 OVERVIEW

Strategies developed in this Master Plan took into consideration the Township's current strategy for managing its assets to ensure the performance required of them is maintained throughout their lifecycle. The Asset Management Plan (AMP) for the Township of North Stormont establishes the approach for the management of the Township's assets and provides an assessment of the current performance of municipal infrastructures based on the service level to the connected population. The Township's approach to risk management of its assets is based on the criticality of each asset related to its role in the community. The capital plan is then developed to ensure asset performance is maintained, with more critical assets having higher performance expectations. Strategies for the management of the assets over its lifecycle are as follows:

- Operational: operational activities, routine preventative maintenance, and studies on asset performance;
- Major Maintenance: repairs and component replacement to maintain asset performance;
- Rehabilitation: project to extend asset service life;
- Replacement: project resulting in a replacement of an asset with an asset that meets top industry and community expectations; and
- New Asset: construction or purchase of new assets that results in net growth of the asset inventory and an enhancement in service levels provided to the community.

3.2.2.2 2022 ASSET MANAGEMENT PLAN

The 2022 AMP was prepared by the Ontario Clean Water Agency (OCWA). It noted the following for the Township's water and wastewater assets as of 2022:

- Finch
 - › Water Assets: mostly in fair conditions with some deficiencies.
 - › Wastewater Assets: nearly all assets in good condition with no deficiencies, some rehabilitation required.
- Crysler
 - › Water Assets: mostly in good condition with some assets containing deficiencies and in need of rehabilitation.
 - › Wastewater Assets: mostly in fair condition with deficiencies and a portion of assets in need of treatment.
- Moose Creek
 - › Water Assets: nearly all assets in good condition with no deficiencies, some rehabilitation required.
 - › Wastewater Assets: most assets in good or fair condition with some deficiencies.

The 2022 AMP noted that development trends occurring during the time of the report preparation could result in water supply and wastewater treatment capacities reaching their limits within 10 years. To enhance asset performance, installation of water meters and reducing inflow and infiltration to the collection systems were also recommended.

3.2.2.3 2024 ASSET MANAGEMENT PLAN

The 2024 AMP was prepared by PSD Citywide. It noted the following for the Township's water and wastewater assets as of 2024:

- Finch, Crysler and Moose Creek's Water Treatment is in fair condition with the most critical item being water valves which were identified to be in very poor condition; and
- Finch, Crysler and Moose Creek's Wastewater Treatment systems were in fair condition with fair sewer network conditions. The most critical item being the Moose Creek Lagoon experiencing increased operating and maintenance costs associated with the aging of the lagoon.

3.2.2.4 CAPITAL PLAN

The Township's proposed 5-year (2024 – 2026) capital forecast provided recommended projects as part of *Major Maintenance Recommendations* for its water and wastewater infrastructure. From the list, the projects listed in Table 3.1 were considered during the development of the Master Plan recommendations with the aim of combining projects for cost and time savings.

Table 3.1: OCWA Capital Projects

Urban Settlement	Project	Total	Year
Water Capital Projects			
Moose Creek	New Well Construction – Replacement Well No. 3	\$225,000	2024
	New Well Construction – Replacement Well No. 2	\$225,000	2025
Wastewater Capital Projects			
Finch	Replacement of Sewage Pump at SPS No. 1	\$35,000	2024
Moose Creek	New Sewage Pump for SPS	\$22,000	2024

4.0 CONSULTATION AND ENGAGEMENT

4.1 Introduction

The consultation process is an integral component of the MCEA process. As illustrated in Figure 2.1 and per the MECA process, at least two mandatory contact points are required to inform, engage, and consult with public representatives.

The Stakeholder Consultation Record for this Master Plan is attached to Appendix B and includes the following:

- Notices sent to the public including identified project stakeholders;
- Stakeholder Log containing a list of stakeholders;
- Public Information Centres presentations; and
- Public responses.

4.2 Notices

The following two notices were published:

- The Notice of Study Commencement was published on the Township's Website News & Notices Page (<https://www.northstormont.ca/living-stormont/news-notices/notice-study-commencement-water-and-wastewater>) and the project page for the Master Plan is at the following address: <https://www.northstormont.ca/living-stormont/news-notices/water-and-wastewater-master-servicing-plan>
- The Notice Of Public Information Centre was published on the Township's Website News & Notices Page (<https://www.northstormont.ca/living-stormont/news-notices/notice-public-information-centre-1>)

4.3 Stakeholder Consultation

The MCEA process requires stakeholder consultation to incorporate input from interested or impacted groups. Potential stakeholders included but were not limited to:

- Public – This includes individual members of the public including property owners who may be affected by the project, individual citizens who may have a general interest in the project, special interest groups, community representatives, and developers; and
- Review agencies – This includes government agencies who represent the policy positions of their respective departments, ministries, authorities, or agencies.

Public and Agency contact lists are compiled in the Stakeholder Log.

4.4 Indigenous Consultation

The information provided ensures the appropriate communities have been included in the contact lists for the duration of the MCEA project. Based on discussions and recommendations provided by the MECP regional office, the following Indigenous communities were to be consulted through this Master Plan process:

- Algonquins of Ontario (AOO)
- Algonquins of Pikwàkanagàn First Nation
- Mohawk Council of Akwesasne

It was determined that the Akwesasne territory is outside the Study Area Boundary and, therefore, the Mohawk Council of Akwesasne were not included on the contact list. The other two Indigenous communities were contacted and emailed all the information regarding the Master Plan. MECP additionally recommended that the Huron-Wendat be contacted if archeological studies were undertaken. These studies were not part of the project scope and therefore the Huron-Wendat were not included on the contact list.

4.5 Public Information Centres

A Public Information Centre (PIC) is a method to communicate with the public, interested parties and review agencies. For this project, one PIC was held to present the (PoP) Statement, background information collected, a review of the servicing strategies being evaluated, present the evaluation criteria, the preliminary preferred solution, and the project timeline. PIC No. 1 was held on Tuesday September 17, 2024 at Moose Creek Recreational Hall. Posted hours were from 6:00 PM to 9:00 PM.

4.6 Incorporating Consultation Input

The input and information gathered from the various parties who participated in the consultation were reviewed by the Project Team and used to develop the W/WWMP.

5.0 POPULATION ANALYSIS

5.1 Historical and Forecasted Serviced Population

All three urban settlements are not fully serviced, with properties within the urban settlement boundaries that have private septic systems and private wells. Settlement Area maps with delineated serviced boundary were obtained from the Official Plan. Each map was updated by the Township to reflect current service boundaries (as of 2023) and are attached to Appendix C. Housing units outside the serviced boundary but within the urban settlement boundary are residents of the village but are on private servicing.

As such, the actual serviced population in recent years was estimated using the sources listed below. The studies below also provided information for population growth and housing development:

- 2022 and 2024 Water and Sewage Reserve Capacity Study (RCS), R.V.A.
 - › Provided information of the number of units serviced by the DWS and WWTS
- 2023 Growth Management Strategy (GMS) study, Watson & Associates Economists
 - › Provided the forecasted residential and employment population growth.
- 2024 McBain Subdivision Servicing and Stormwater Management Report, EVB Engineering.
 - › Listed approved developments with committed municipal capacities.

Population analysis details from the information obtained from each source above are provided in Appendix C. Table 5.1 summarizes the historical and the projected serviced population to 2051.

Table 5.1: Historical and Projected Serviced Population

Urban Settlement	A = 2021 Serviced Population	2021 – 2051 Additional Population		A + B + C = 2051 Serviced Population
		B = Residential Population	C = Employment Population	
Drinking Water System				
Finch	650	290	5	950
Crysler	1,140	980	25	2,150
Moose Creek	680	490	10	1,180

Urban Settlement	A = 2021 Serviced Population	2021 – 2051 Additional Population		A + B + C = 2051 Serviced Population
		B = Residential Population	C = Employment Population	
Wastewater Treatment System				
Finch	600	290	5	900
Crysler	1,120	980	25	2,130
Moose Creek	580	490	10	1,080

The projection calculations assume that all future growth (resulting from new developments, intensification of existing serviced areas etc.) will be connected to municipal services. If the Township desires to connect the existing non-serviced lots, an updated *Reserve Capacity* study is recommended to determine the required capacity of municipal services needed to service the existing lots. Additionally, cost impacts of extending the water distribution network and sewage collection system to existing built areas would need to be considered.

5.2 Population Corresponding to Approved Development

Table 5.2 lists the approved developments in each urban settlement as of 2023 that were accounted for in the current reserved capacities of the DWS and WWTS. Finch and Moose Creek's committed units as of 2024 was emailed by the Township Planning Staff. Servicing Management Reports approved by the Township provided the estimated population growth from the approved and planned developments. During the preparation of this Master Plan, development plans for a total of 1,062 units (that can accommodate 3,030 people) was submitted. The units are to be constructed in four phases, of which only Phase 1 comprising of 329 units which can accommodate 875 people is currently approved.

Table 5.2: Committed Housing Developments and Corresponding Population as of 2023

Urban Settlement	Units	PPU ¹	Population
Finch	14	2.55	36
Crysler ¹	329	-	875
Moose Creek	12	2.55	31

1: Average PPU from 2021 – 2051 is 2.55 as provided in the GMS Report

5.3 Sensitivity Analysis

The current approved development triggered a need for a sensitivity analysis on Crysler's population growth as it introduced a larger housing growth within the next 5 years than previously estimated in the GMS report. The sensitivity analysis analyzed the High-Growth scenario for Crysler which is 0.2% higher than the growth rate adopted by the Township in the Official Plan. The population projected under this scenario were used to determine the additional capacity of municipal services that may be needed to support larger than anticipated growth. Table 5.3 provides the results of the analysis.

Table 5.3: Crysler's Projected Population under High Growth Scenario

Parameter	Value
Additional Population Growth 2021 - 2051	980
% Increased Growth Rate under High Growth scenario.	0.2%
Additional Population Growth 2021 – 2051 under High Growth Scenario ¹	1,040
2051 Serviced Population under High Growth Scenario – DWS	2,210
2051 Serviced Population under High Growth Scenario - WWTS	2,190

1: Value calculated using typical growth rate formula: $POP.FUTURE = POP.PRESENT \times (1+i)^n$, where i = growth rate and n = number of years.

The analysis results show that the difference between the High and Medium Growth Scenarios is very small and yield similar projected water demand and wastewater discharge per person. Therefore, only the High Growth Scenario (HGS) is proceeded with for Crysler's water and wastewater master planning.

Under HGS, a growth rate of approximately 17 units per year is expected per the GMS report. The application for the four-phase planned development (under which 329 units are already approved) proposes a growth rate of 30 units annually. Figure 5.1 illustrates both growth trends.

A confirmation of actual growth trends can only be obtained post development completion. The Township is recommended to observe the growth rate post development and determine whether the rate stays consistent with the forecasted rate (presented in the GMS report) or if it is accelerated in response to the available housing supply (from the ongoing approved/planned developments). The data can be analysed in the next iteration of the Master Plan or Reserve Capacity Study to determine if the expansion of drinking water and wastewater treatment municipal services needs to occur in the immediate timeline (within 5 to 10 years) instead of long-term (15 + years). Additionally, per the GMS report, Crysler

only has an additional available designated residential land supply of 22 years or 25 acres of net residential area. Further development may require boundary expansion

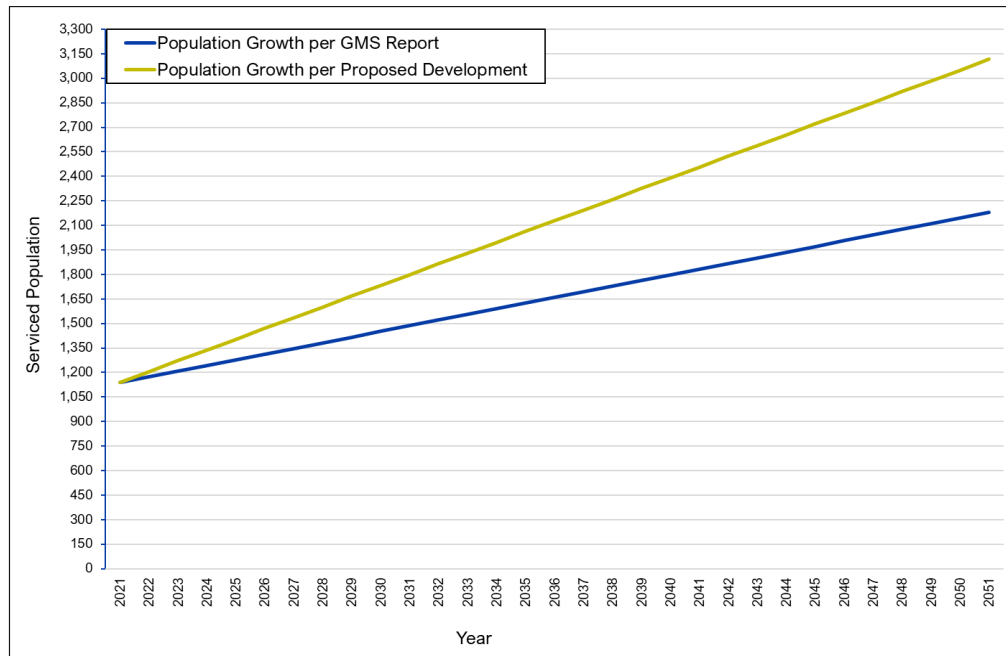


Figure 5.1: Crysler Committed Population Growth Scenarios

Forecasted water demand and wastewater flow to 2051 were calculated for both scenarios above to determine the impact on long-term municipal service planning.

6.0 EVALUATION METHODOLOGY

6.1 Evaluation Criteria

An MCEA-based evaluation criteria established in four categories as listed in Table 6.1 was used to evaluate the alternative strategies.

Table 6.1: MCEA Evaluation Criteria

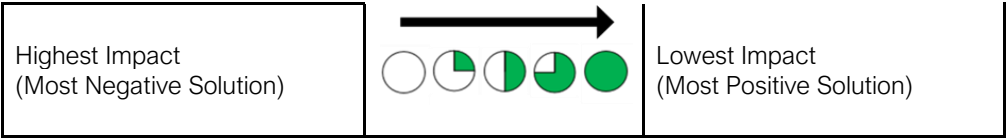
Category	General Criteria to Assess Impact
Technical	<ul style="list-style-type: none"> • Constructability • Improvements to operation • Infrastructure required • Approval requirements
Social and Cultural	<ul style="list-style-type: none"> • Public Impacts • Impacts to known and potential built heritage resources and cultural heritage landscapes • Impacts to archaeological resources and areas of archaeological potential"
Environmental	<ul style="list-style-type: none"> • Impact to aquatic and terrestrial species and habitat • Impact to surface water quantity and quality • Climate change resiliency
Economic	<ul style="list-style-type: none"> • Capital costs • Operational and maintenance costs • User value

The evaluation process followed a two-step approach; first, each alternative was assessed for its capability of meeting the PaP statement. Alternatives that did not comply were not evaluated further. Alternatives that did align with the PaP statement were shortlisted for further analysis including potential implementation strategies.

The shortlisted alternative strategies were then scored against the four categories to determine the preferred strategy that most satisfies the evaluation criteria. Table 6.2 below shows the rating scale used for the evaluation process.

Table 6.2: Evaluation Rating Scale

Evaluation Rating Scale



6.2 Existing Conditions: Cultural Heritage Resources

The Official Plan states that all heritage resources are to be conserved when making development and infrastructure decisions which may affect them, as mandated by the Ontario Heritage Act (Refer to Appendix A for Act details). To preserve its cultural heritage resources, the County initiated the Lost Villages Historical Society and the Municipal Heritage Committee. The Official Plan also sets out a screening and evaluation process to identify and conserve other heritage resources or areas of archeological potential which have not been identified, recognized or are currently unknown.

A desktop review of the cultural heritage resources in the three villages was undertaken as part of this Master Plan. Crysler's Farm was identified as heritage site in a study undertaken by Abacus Archaeological Services in 2022 in response to a new subdivision development in Crysler.

Future undertakings under the Master Plan may impact known or potential cultural heritage resources, which include archaeological resources, built heritage sites, and cultural heritage landscapes. For all future undertakings under the Master Plan, The Township shall complete the Ministry of Citizenship and Multiculturalism (MCM)'s Criteria for Evaluating Archaeological Potential screening checklist to determine whether an archaeological assessment is needed. If a project area exhibits archaeological potential, then an archaeological assessment shall be completed by a licensed archaeologist under the Ontario Heritage Act. Archaeological assessment reports are to be submitted to MCM for review as early as possible during the planning phase and prior to any ground disturbing activities. In addition, for all future undertakings under the Master Plan, the Township shall complete the MCM's Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage

7.0 WATER MASTER PLAN

7.1 Data References

The following references were used for developing the Water Master Plan;

- Finch
 - › Drinking Water Works Permit (DWWP), Number 182-201 (Government of Ontario 2002), Issued 11/20/2020
 - › Municipal Drinking Water License (MDWL), Number 182-101 (Government of Ontario 2002), Issued 11/20/2020
 - › Permit to Take Water (PTTW), Number 8713-C2HJT3 (Government of Ontario 2015), Issued 4/28/2021
- Crysler
 - › DWWP, Number 182-202 (Government of Ontario 2002), Issued 11/20/2020
 - › MDWL, Number 182-102 (Government of Ontario 2002), Issued 11/20/2020
 - › PTTW, Number 7670-CTUS46 (Government of Ontario 2015), Issued 12/20/2023
- Moose Creek
 - › DWWP, Number 182-203 (Government of Ontario 2002), Issued 11/20/2020
 - › MDWL, Number 182-103 (Government of Ontario 2002), Issued 11/20/2020
 - › PTTW, Number 4000-9YGLJP (Government of Ontario 2015), Issued 7/16/2015
- Annual Reports from 2021 – 2023 for each DWS.

7.2 Water Systems Description

7.2.1 Finch Drinking Water System

Table 7.1 lists the Finch DWS's assets and their capacities. The Finch Water Treatment Plant (WTP) and supply wells are located at 20 William Street. Both are 200 mm in diameter and 54 m deep bedrock wells and currently operate in duty/standby mode. Raw water from the supply wells is treated for Hydrogen Sulphide removal via the 0.84 m² Aeration Tower. Chlorination disinfection is then provided in the underground clearwell which are equipped with two high-lift pumps (HLPs) that operate in duty/standby mode. The pumps send the disinfected water to the Baffled Pressure Vessel where it is treated via flocculation, followed by removal of the flocculants in the downstream Dual Media Pressure Filters.

Provision of additional chlorine contact time is also provided in the piping from the point of the aeration stack up to the point of entry into the distribution system, as chlorination is introduced upstream of the aeration stack, and the pipe does not have any service connections over its entire length.

Storage and fire protection is provided by an Elevated Water Storage Tank located at William Street with a total usable capacity of 580 m³.

The Finch DWS PTTW limits the water taking per day to 778 m³/day combined from both wells. As such, the WTP operates under a MDWL and DWWP which limits the maximum daily production of treated water to 778 m³/day. Firm capacity of the water supply is taken as the capacity of a single HLP (432 m³/day) that supplies the distribution system.

Table 7.1: Finch DWS Capacity

Infrastructure	Capacity	Source
WTP Rated Capacity	778 m ³ /day	MDWL No. 182-101
Well No. 1 Rated Capacity	778 m ³ /day	PTTW No. 8713-C2HJT3
Well No. 2 Rated Capacity	778 m ³ /day	
Two (2) Submersible Pumps (one in each well)	9.5 L/s (821 m ³ /day)	Information provided by Operation Staff.
Chlorine Contact Pipe	22m of 150 mm diameter, and 12 m of 100mm diameter	DWWP No.182-201
Aeration Tower (Hydrogen Sulphide removal)	8 L/s	
Aeration Tower Blower	264 L/s	
Clearwell ¹	29.7 m ³	
Two (2) High Lift Pumps	5 L/s (432 m ³ /day)	
Baffled Pressure Vessel	8 L/s	
Two (2) Dual Media Pressure Filters	2 x 4 L/s at 9m/hr	
Backwash Storage Tank	15 m ³	
Elevated Water Storage Tank	580 m ³	
Supply Firm Capacity	432 m ³ /day	Largest well pump out of service
WTP Firm Capacity	432 m ³ /day	Largest HLP out of service

1: Clearwell is used entirely for chlorine contact time. Hence, it cannot be used for storage.

7.2.2 Crysler Drinking Water System

Table 7.2 lists the Crysler DWS's assets and their capacities. Crysler is serviced by a WTP located on County Road 13 and houses two groundwater wells. Well No.1 is 12.2m deep and 250mm in diameter and Well No.2 is 13.4 m deep and 250 mm in diameter. Both wells are classified as Groundwater Under the Direct Influence of surface water (GUDI) with effective in-situ filtration. The groundwater is disinfected by a UV treatment system and by sodium hypochlorite treatment with chlorine contact time provided in a chlorine contact pipe.

Storage and fire protection is provided by an Elevated Water Storage Tank located on County Road 13 with a total usable capacity of 1,238 m³.

The Crysler DWS PTTW limits the water taking per day to 1,685 m³/day combined from both wells. As such, the WTP operates under a MDWL and DWWP which limits the maximum daily production of treated water to 1,685 m³/day. Firm capacity of the water supply is taken as the capacity of a single well pump (1,685 m³/day).

Table 7.2: Crysler DWS Capacity

Infrastructure	Capacity	Source
WTP Rated Capacity	1,685 m ³ /day	MDWL No.182-102
Well No.1 Rated Capacity	1,685 m ³ /day (365 days)	PTTW No. 3688-CR9HAC
Well No. 2 Rated Capacity	1,685 m ³ /day (142 days)	
Two (2) Submersible Pumps (one in each well)	19.5 L/s (1,685 m ³ /day) at 85m TDH	DWWP No.182-202
UV Disinfection System – Two (2) reactor units	19.5 L/s (1,685 m ³ /day), UV dose pf 40 mJ/cm ²	
Chlorine Contact Pipe	200mm diameter x 1900 m long feeder main	
Elevated Storage Facility (Water Tower)	1,238 m ³	
Firm Capacity	1,685 m ³ /day	Largest well pump out of service

7.2.3 Moose Creek Drinking Water System

Table 7.3 lists the Moose Creek DWS's assets and their capacities. Moose Creek's WTP is located on McNeil Road. Water is supplied from three 200 mm diameter underground wells;

Well No.1 is 15m deep, Well No. 2 is 31m deep, and Well No.3 is 32m deep. Disinfection is provided in a chlorine contact chamber and in the subsequent connected clear wells, from which two high lift pumps pump the treated water to the distribution system.

Storage and fire protection is provided by an Elevated Water Storage Tank located on County Road 15 with a total usable capacity of 622 m³.

The Moose Creek DWS PTTW limits the water taking per day to 896 m³/day combined from all three wells. As such, the current rated capacity of the Moose Creek DWS under its MDWL and DWWP is 896 m³/day. Firm capacity of the DWS is taken as the combined capacity of Wells 2 and 3 (600 m³/day).

Table 7.3: Moose Creek DWS Capacity

Infrastructure	Capacity	Source
Permit to Take Water (WTP Rated Capacity)	896 m ³ /day	MDWL No.182-103
Well No.1 Rated Capacity	7.43 L/s (642 m ³ /day)	PTTW No. 4000-9YGLJP
Well No. 2 Rated Capacity	3.5 L/s (299 m ³ /day)	
Well No. 3 Rated Capacity	3.5 L/s (299 m ³ /day)	
High Lift Pumps (HLP) x 2	12 L/S at 55 m TDH	DWWP No.182-203
Clearwell No.1	28.35 m ³	
Clearwell No.2	23.85 m ³	
Chlorine Contact Chamber	"L" shaped (5.6m x 2.0m x 5.35m x 1.0m)	
Water Tower	622 m ³	Largest well pump out of service
Supply Firm Capacity	600 m ³ /day	
Distribution Firm Capacity	1,036 m ³ /day	Largest HLP out of service

7.3 Water Design Parameters

7.3.1 Overview

Historical average and maximum day water demands for each DWS were obtained from the Annual Reports provided by the Township. Only data from 2021 to 2023 is considered as the connected population information is only available for those three years. The data was then analysed per the MECP *Design Guidelines for Drinking Water Systems* (MECP Guidelines).

Committed capacity is calculated per the MECP D-5-1 formula for sewage and water treatment plants, which accounts for current water demand as well as projected water demand from those future developments that have been approved to be built (as provided in Section 5.2).

7.3.2 Water Supply

Table 7.4 summarizes the historical data used to estimate the per-capita (per person) water consumption in each urban settlement. An anomaly in Crysler's data was observed; a MDD of 1,064 m³/d was reported in August 2021. This can be taken as an anomaly when compared to a MDD of 442 m³/d reported in August 2020 and a MDD of 561 m³/d in August of 2022. However, the second largest MDD in that year is 599 m³/d which is significantly lower than the MDD reported over the 2016 – 2021 period. Hence, the MDD of 1,064 m³/d is retained and used to obtain the future maximum day per capita demand.

Table 7.4: Historical Water Demand Analysis

Year	ADD (m ³ /day)	MDD (m ³ /day)	Peaking Factor ¹	Connected Population ²	Average Daily Per- Capita Demand (L/cap/day)
Finch DWS					
2021	241	537	2.2	645	374
2022	294	574	2.0	658	447
2023	351	605	1.7	671	523
Average	295	572	2.0	-	448
Crysler DWS					
2021	307	1,064	3.5	1,140	269
2022	323	778	2.4	1,180	274
2023	389	917	2.4	1,220	319

Year	ADD (m ³ /day)	MDD (m ³ /day)	Peaking Factor ¹	Connected Population ²	Average Daily Per- Capita Demand (L/cap/day)
Average	340	920	2.7	-	287
Moose Creek DWS					
2021	215	506	2.4	679	317
2022	221	523	2.4	692	320
2023	209	471	2.3	704	297
Average	215	500	2.3	-	311

1: Peaking Factor is taken as the ratio of the MDD to the ADD.

2: Values are not rounded, to allow providing the actual numbers used to calculate the per-capita factors.

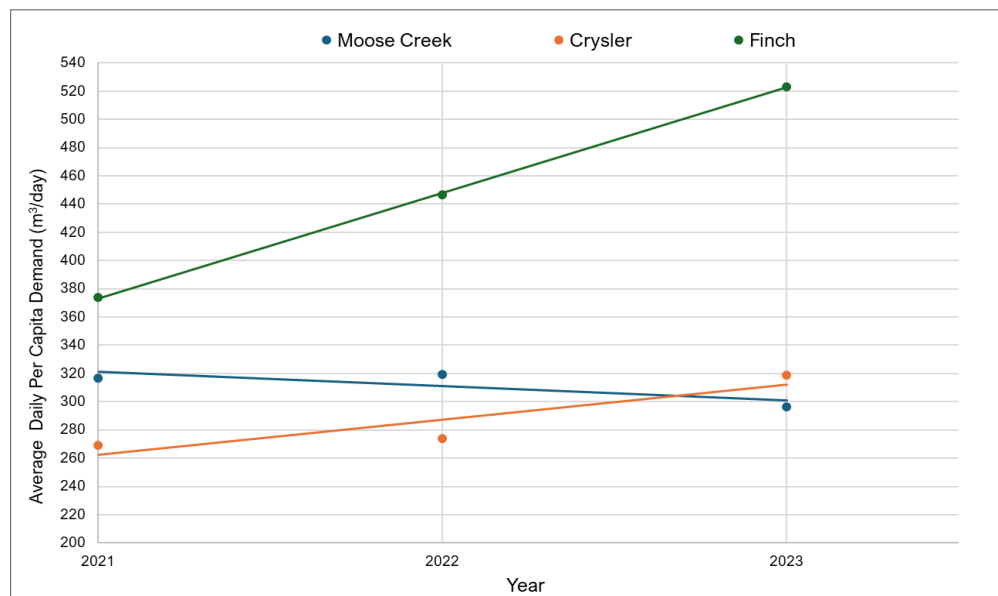


Figure 7.1: Historical Residential Water Demand

The data is illustrated graphically in Figure 7.1 and suggests that:

- The average daily per-person water use is increasing on average in North Stormont with the exception of Moose Creek, which maybe an outlier and not necessarily a reflection of decreasing trend;
- Finch particularly has a significantly high per-capita demand, when compared to typical values of 250 – 450 L/cap/day provided by the MECP Guidelines. This may be a result of lack of water metering, the impacts of which is further detailed in

7.5.4. The maximum day peaking factors range from 1.7 to 2.7, which is typical for the size of each urban settlement; and

- Crysler's average per capita demand is lower than that of Moose Creek's and Finch's, and may result in underestimating the future water demand especially when its trend is observed to be increasing. As such, only the 2023 per capita demand of 319 L/cap/day is used to project Crysler's future water demand.

7.3.3 Water Storage

The required water storage capacity was calculated in accordance with the MECP Guidelines for systems providing fire protection. Table 7.5 provides the water storage capacity required to meet the current demands of each DWS.

Table 7.5: Current Required Water Storage Analysis

Parameter	Finch	Crysler	Moose Creek
2023 Population	671	1,220	704
A = Fire Flow Storage (m³) • Population < 1,000 = Fire Flow of 38 L/s to be supplied for 2 hours • 1,000 > Population > 1,500 = Fire Flow of 64 L/s to be supplied for 2 hours	274	461	274
B = Equalization Storage (m³) = 0.25 x MDD m³/d	151	229	118
Emergency Storage (m³) = 0.25 x (A + B)	106	173	98
Required Storage as of 2023 (m³) = (A + B + C)	531	863	489
Water Storage Capacity (m³)	580	1,238	622
Remaining Additional Available Water Storage (m³) as of 2023	49	375	133

7.4 Opportunities and Constraints

7.4.1 Water Demand Projections

Table 7.6 provides the following information, which are illustrated graphically from Figure 7.2 to Figure 7.7:

- Future water demand using the historical average per-capita water use (from Table 7.4) and the forecasted population (from Table 5.1); and
- DWS committed capacity taken as the capacity of the respective WTPs that are committed as of 2023, and remaining available (uncommitted) capacity that can be allotted to future housing/population growth.

Table 7.6: Forecasted Water Demand to 2051

Parameter	Urban Settlement	Finch	Crysler (HGS)	Moose Creek
Water Supply				
A = 2051 Serviced Population		950	2,200	1,180
B = Per-Capita Demand (m ³ /day)		0.448	0.319	0.311
C = Maximum Day Peaking Factor		2.0	2.7	2.3
A x B x C = D = 2051 MDD (m ³ /day)		828	1,927	850
Water Storage				
E = Fire Flow Storage (m ³) <ul style="list-style-type: none"> Population < 1,000 = Fire Flow of 38 L/s to be supplied for 2 hours 1,000 > Population > 1,500 = Fire Flow of 64 L/s to be supplied for 2 hours 2,000 > Population > 3,000 = 95 > Fire Flow > 110 (L/s) to be supplied for 2 hours 				
		274	706	461
0.25 x D = F = Equalization Storage (m ³)		207	469	213
0.25 x (E + F) = G = Emergency Storage (m ³)		120	294	168
E + F + G = H = Required Storage as of 2023 (m ³)		601	1,468	842
I = Water Storage Capacity (m ³)		580	1,238	622
I – H = J = Remaining Additional Available Water Storage (m ³) as of 2023		(-21)	(-230)	(-220)
Committed Capacity				
K = Committed Population		40	875	30
J = Current MDD (m ³ /day) ¹		572	920	500
L = Per-Capita Demand (m ³ /day)		0.448	0.319	0.311
M = Maximum Day Peaking Factor		2.0	2.7	2.3
K x L x M = N = MDD from Committed Population (m ³ /day)		35	766	36
J + N = O = Total Committed Capacity (m ³ /day)		607	1,685	522
P = DWS Rated Capacity		778	1,685	896
P – O = Q = Remaining Available Capacity (m ³ /day)		170	0	375

1: Current MDD is taken as the average historical MDD from 2021-2023 for each DWS, as provided in Table 7.4.

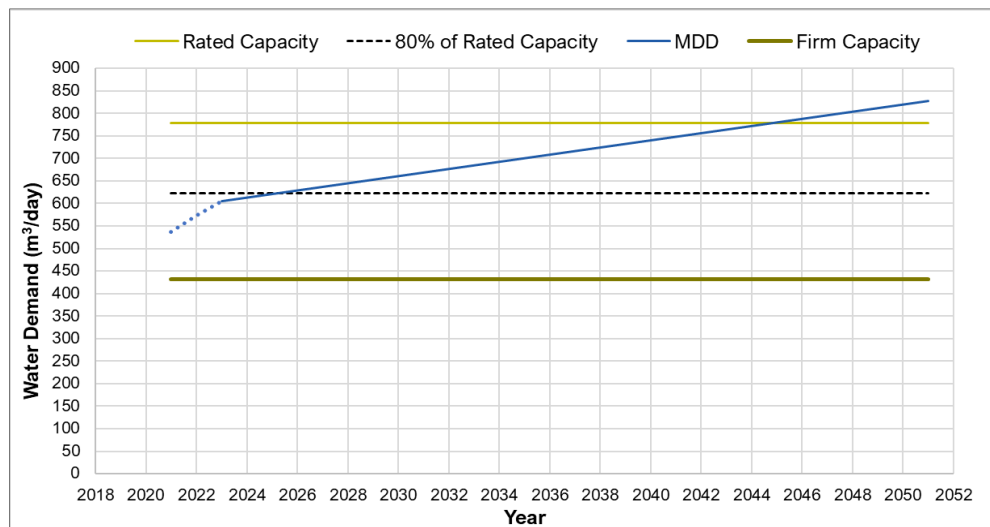


Figure 7.2: Finch DWS - Projected Maximum Day Demand

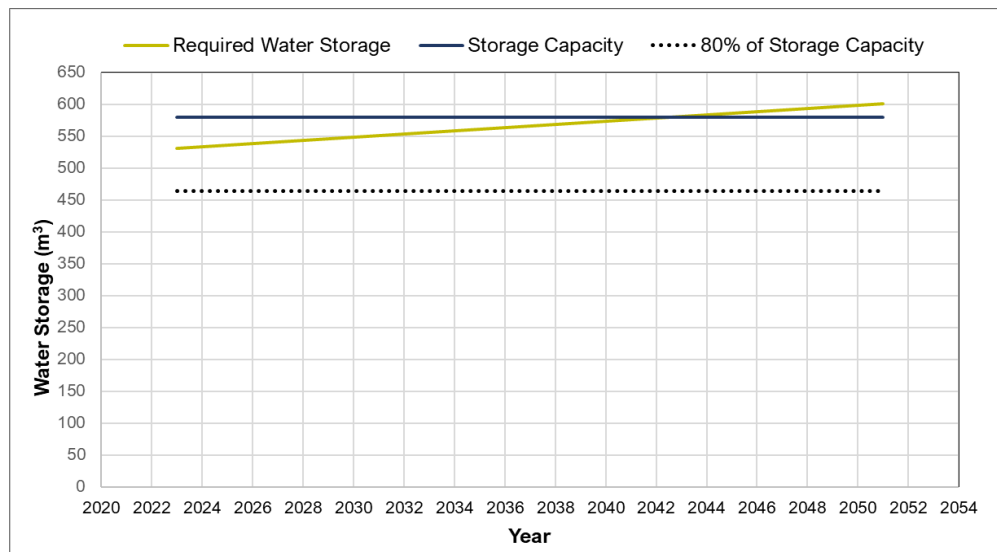


Figure 7.3: Finch DWS - Projected Water Storage Requirements

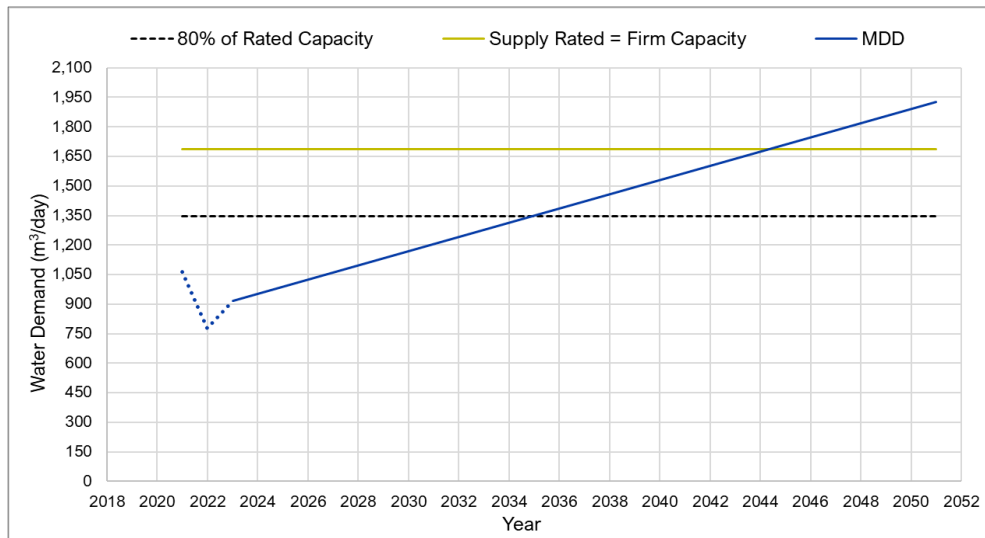


Figure 7.4: Chrysler DWS - Projected Maximum Day Demand

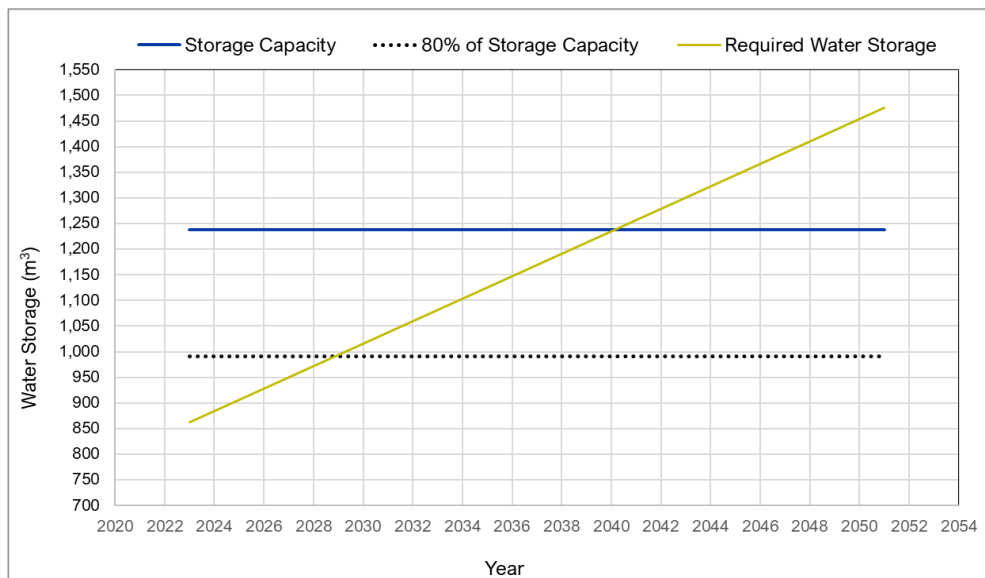


Figure 7.5: Chrysler DWS - Projected Water Storage Requirements

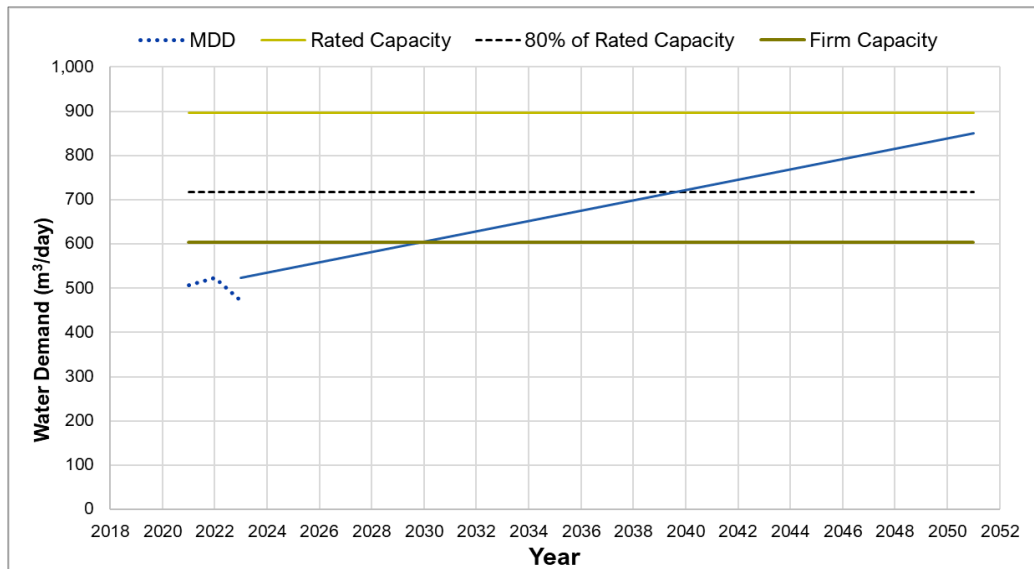


Figure 7.6: Moose Creek DWS - Projected Maximum Day Demand

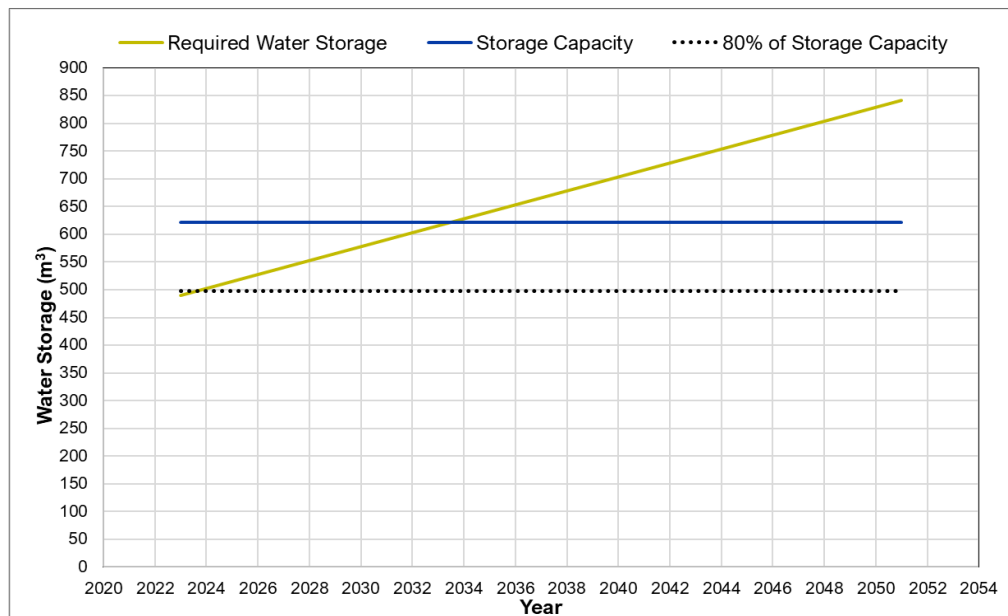


Figure 7.7: Moose Creek DWS - Projected Water Storage Requirements

7.4.2 Servicing Constraints

Table 7.7 provides the projected capacity deficits that will result in servicing constraints for each of the DWSs.

Table 7.7: DWS Servicing Constraints

Parameter Urban Settlement	m ³ /day					m ³		
	2051 MDD	Rated Capacity	Surplus / (Deficit)	Firm Capacity	Surplus / (Deficit)	2051 Required Storage Capacity	Available Storage Capacity	Surplus / (Deficit)
Finch	828	778	(-50)	432	(-396)	601	580	(-21)
Crysler – High Growth Scenario	1,927	1,685	(-242)	Same as Rated Capacity		1,476	1,238	(-238)
Moose Creek	850	896	46	604	(-246)	842	622	(-220)

Additionally, the following issues were obtained from the system operators for the Finch DWS:

- High per capita water usage. Although this may be attributed to several factors including Finch's leaky water distribution network (that the Township suspects maybe the cause), the key reason can be attributed to not metering water consumption. Although efforts are ongoing efforts to fix the leaky system, this strategy has a low cost/benefit ratio due to difficulty of locating the actual sources of leaks, construction costs to fix them, and potentially low water recovery post work.
- Based on the DWWP and information provided by the Township, the firm capacity of the HLPs is 432 m³/day. Per the MECP guidelines, the capacity of HLP distributing treated water should be able to meet the rated capacity of the DWS with the largest unit out of service. This may also lead to water distribution constraints.
- The existing singular clearwell is used for chlorine contact time and poses maintenance difficulties as there is no backup well and cleaning can only be undertaken by scuba divers.

7.5 Development of Alternative Strategies

7.5.1 Overview

This section provides the assessment of the alternate strategies developed to address the forecasted servicing constraints. The following alternatives strategies were determined as potentials for addressing the identified constraints:

1. Do Nothing;
2. Limit Community Growth;
3. Reduce Water Demand;
4. Expand Existing Water System; and
5. Obtain Water from Another Source.

Each alternate strategy is detailed in the following subsections and evaluated at a high-level for its ability to meet the requirement of the PaP statement. A shortlist of strategies is then established and scored against each category in the evaluation matrix to narrow down to the preferred strategy.

7.5.2 Alternative 1 – Do Nothing

As required in the Class EA process, an alternative of 'Do Nothing' must be examined. This alternative provides a benchmark for what would occur should the proposed activities not proceed and also provides a point of reference for the other alternatives.

"Do Nothing" suggests that no improvements or expansions would be undertaken in either of the DWSs. This solution would not address the capacity concerns and would prevent growth and development. Therefore, "Do Nothing" alternative is not an acceptable solution and is not evaluated further.

7.5.3 Alternative 2: Limit Community Growth

This alternative solution considers the anticipated impacts if community growth is limited to the existing DWS capacities. Although limiting the community growth would reduce/mitigate the projected storage and water supply deficits, it is contrary to the objectives of the Township and the Official Plan and is similar to the "Do Nothing" alternative. Therefore, this alternative is not evaluated further.

7.5.4 Alternative 3: Reduce Water Demand

This strategy looks at reducing water consumption to an efficient value, thereby delaying the year rated capacities will be exceeded by. This can be an effective strategy for Finch as it

only exceeds the rated capacity by 50 m³/day, which maybe recoverably if water use per person is reduced. However, since the water demand is much larger than the DWS's firm capacity, reducing water use cannot address the deficits noted in Table 7.6 on its own.

Water conservation programs allow educating water users on limiting water usage and preventing water waste. A key requirement for efficient water use are water meters.

Installation of water meters allows for the following benefits:

- Monitor water consumption and allow comparison of the demand rate to neighbouring municipalities or to typical demand rates based on population size;
- Accurate water charge to each consumer; and
- Identification of a leaking system, pipe damages and other problems that contribute to water loss and non-revenue water.

The Ontario Water Work Association (OWWA) published *Water Efficiency Best Management Practices* in 2005 (prepared by its Water Efficiency Committee) which noted that metering is critically important as it can contribute to 'deferring or eliminating major capital expenditures for plant expansion' which includes wastewater infrastructure. According to the 2001 Environment Canada study, water users that are not metered have a water usage per capita of 475 L/cap/day, whereas metered users only use 272 Lpcd (43% less). As of 2015, survey conducted by Environment Canada showed that 92% of Ontario's communities were metered.

Additionally, several studies conducted for small and large communities across Ontario have found that installing water meters reduced water demand and wastewater flows by 44% and 15% respectively. For instance, the Barrie Water Conservation program has successfully deferred millions of dollars in water and wastewater supply capital expenditures with its retrofit water conservation program, including a reduction of 55L/day per house unit.

As a result, while water conservation alone won't address the PoP, recommendations for all three water systems will start with water conservation as this could significantly delay the need for expensive system upgrades.

7.5.5 Alternative 4: Expand Existing Water System

7.5.5.1 ALTERNATIVE 4A: WATER SUPPLY EXPANSION

Water supply capacity can be increased via the following alternative strategies:

- Alternative 4A-1: *Upgrade/Expand Capacity of Existing Wellfield and Treatment Plant*. This could be completed through the addition of a new well on the existing

site, or increasing the capacity of treatment system, or increasing capacity of the HLPs, or a combination of the three.

- Alternative 4A-2: *New Well and Treatment Plant in a New Wellfield/Treatment Plant Location.*

Both of these alternatives address the PaP statement and offer solutions for the forecasted supply deficits. They are further evaluated in the short list of alternatives. It is important to note, however, that confirmation of any new well capacity would first require hydrogeological investigation, drilling and pump testing.

7.5.5.2 ALTERNATIVE 4B: WATER STORAGE EXPANSION

Water storage capacity can be increased via the following potential options:

- Alternative 4B-1: New Elevated Water Storage Facility.
- Alternative 4B-2: New At-Grade Storage Facility

Both alternatives address the PaP statement and offers solutions for the forecasted water storage deficits. They are further evaluated in the short list of alternatives.

7.5.6 Alternative 5: Obtain Water from Another Source

Water may be bought from adjacent large municipalities with the option of either decommissioning the existing facility and acquiring all water from outside the village, or servicing only the additional growth from the adjacent municipalities. For Finch, Crysler and Moose Creek, the only closest municipality that can provide both options is Cornwall. However, the minimum distance is more than 30km which makes it a non-feasible project with no economical justifications.

For Finch and Crysler, the option to explore a communal water supply and storage facility between the two villages can be implemented under either of the following two options.

- Alternative 5A comprises of installing new wells in only one village and having them sized so that they can meet the additional water demand of both villages to 2051. The communal well water would be treated at the local WTP in the village its located, and then pumped to the connecting village via a new watermain. Provision for re-chlorination of the pumped water would likely be needed. Since the Finch wells are bedrock wells with higher well investigation and treatment costs (due to the presence of hydrogen sulphide), it may be more feasible to install the new well in Crysler with the required treatment provided in the existing Crysler WTP.
- Alternative 5B comprises new well(s) and an associated WTP located between the two villages along County Road 12.

Both solutions above would require a communal storage facility sized to supplement existing storage as required for each of village.

Evaluating the two options above to determine the preferred option under this alternative:

- Option 5A: Although the cost of the new well can be avoided in one of the villages, the total length from the Crysler Wellfield to the Finch WTP is approximately 15 km. A 200mm watermain for that distance is approximately \$19 Million.
- Option 5B: This solution scores relatively low on social-cultural criteria as land acquisition may be needed for the new location of the WTP, well and storage facility. Although its costs can be offset by the costs of separate new wells, it still scores low on economic criteria due to the long watermain, new WTP, and new storage facility that would be required.

As such, this alternative is not evaluated further due to economical infeasibility.

7.6 Post-Screening Results

Based on the screening in Table 7.8, the following alternatives are not considered further:

- Alternative 1 – Do Nothing
- Alternative 2 – Limit Community Growth
- Alternative 5 – Obtain Water from Another Source

Only Alternative 3 – *Reduce Water Demands (Increase Water Conservation)* and Alternative 4 – *Expand Existing Water Supply and Storage System* met the PaP statement and were determined to be feasible against the evaluation criteria. Alternative 3 is a standalone strategy and, therefore, is not evaluated further. The strategies considered under Alternative 4 are evaluated per the MCEA based criteria established in 6.0 to determine the preferred strategy that addresses the identified constraints.

Table 7.8: Long List of Alternatives and Screening

Alternatives		Does the alternative address the Problem & Opportunity Statement?	Is the alternative technical and economically feasible?	Can the alternative be implemented without significant impacts?	Summary
1	Do Nothing	✗	✗	✗	Not an acceptable solution and is not evaluated further.
2	Limit Growth	✗	✓	✗	Not an acceptable solution and is not evaluated further.
3	Reduce Water Demand (Increase Water Conservation)	✗	✓	✓	This alternative on its own is not acceptable as a complete solution. It will be recommended as a general sustainability goal.
4	Expand Existing Water Supply and Storage System	✓	✓	✓	Water Supply: Alternative 4A-1: Upgrade/Expand Capacity of Existing Wellfield and Treatment Plant; or Alternative 4A-2: New Well and Treatment Plant in a New Wellfield/Treatment Plant Location. Water Storage: Alternative 4B-1: New Water Storage Tower/Standpipe (in addition to the existing storage facility); or Alternative 4B-2: New At-Grade Water Storage Tank (in addition to the existing storage facility)
5	Obtain Water from Another Source	✓	✗	✗	Will require land acquisition, high capital costs, permit and other requirements. Therefore, not evaluated further.

7.7 Detailed Evaluation of Post-Screened Alternative Strategies

7.7.1 Water Supply

7.7.1.1 ALTERNATIVE 4A-1: UPGRADE/EXPAND CAPACITY OF EXISTING WELLFIELD AND TREATMENT PLANT.

Key advantage of upgrading existing wells or installing a new well in the same wellfield is that it may minimize the hydrogeological investigation needed by relying on the existing site information. It would also minimize costs associated with raw water conveyance to the WTP. In some cases the existing treatment plant will also need to be upgraded and/or expanded, however this would usually be less expensive than constructing a brand new facility. Hence, this alternative scores higher on the technical and economical criteria.

The following are limitations or disadvantages to this strategy:

- Any new well at an existing well site or increase in capacity of an existing well will be subject to a hydrogeological study and testing, then to the approval of the MECP. While the increases required in the three North Stormont water systems is not large, it is still possible that the increased capacity would not be available. In that case, it would be necessary to look for a new well field location to supply the additional capacity (i.e. Alternative 4A-2)
- Installing all wells within the same wellfield results in less water security than having water supplied from two different well fields. Any adverse impacts to the one wellfield could possibly impact all the wells within that area, that could place the full supply at risk.
- Drilling a new well in the existing wellfield could result in temporary water quality in existing wells.

These limitations lower the scores for the technical and social-cultural criteria. The challenges listed above can be addressed to some degree as follows:

- A detailed review of the existing hydrogeological investigation report for:
 - › Existing aquifer conditions;
 - › Sustainable water supply capacity including any constraints to operating at the maximum allowable permit limit; and
 - › Identification of any risks to system operation.

This can become the basis for the hydrogeological investigation that will have to be undertaken for the new well;

- An updated wellhead protection plan for continued protection of the wellfield from potential sources of contamination;
- During drilling, monitoring of the water quality in the adjacent wells and preparing a backup plan for water supply in case the wells must be shutdown; and
- Ongoing source protection management and diligence can reduce risks of aquifer contamination.

7.7.1.2 ALTERNATIVE 4A-2: NEW WELL IN NEW WELLFIELD











Separating sources of water supply to different wellfield provides a measure of water security against issues such as aquifer contamination, thereby implementing a redundant system which raises the score for social-cultural criteria. However, main disadvantages to this alternative are:

- Requirement of a new WTP at the new wellhead location;
- A new watermain will also have to be installed up to the connection point to the existing watermain;
- Higher capital costs for land and for all-new construction; and
- Higher operating costs since there would be an additional site for operations staff to visit and maintain, including new chemical supply and water quality monitoring requirements.

Hence, the cost implications of this alternative are significant and lowers the score for economical and technical criteria.

It must be noted that Alternative 4A-1 is subject to hydrogeological investigations to determine whether additional supply is available from the site. If not, Alternative 4A-2 may be the only possible strategy to address the noted deficits.

Table 7.9: Detailed Evaluation of Water Supply Alternatives

Evaluation Criteria	Alternative 4A-1: New Well in Same Wellfield	Rating	Alternative 4A -2: New Well in New Wellfield	Rating
Technical	<ul style="list-style-type: none"> Hydrogeological investigation can be conducted based on the existing wells which can reduce the investigation size Current treatment processes can be upsized within the same building to meet future treatment demand. 		<ul style="list-style-type: none"> New WTP required at new wellfield location which may require land acquisition Unknown conditions of new site can result in larger hydrogeological investigation 	
Social and Cultural	<ul style="list-style-type: none"> Would likely not require additional land acquisition Known cultural heritage resources Potential impacts to existing supply wells that may impact their ability to supply water; however, this can likely be addressed through construction practices Shorter construction period than Alternative 4A-2 		<ul style="list-style-type: none"> Potential impacts to nearby land uses due to well head protection area (WHPA) delineation Ensures water security and redundancy to all users Unknown cultural heritage resources until specific site is selected 	
Environment	<ul style="list-style-type: none"> Implementation within known and previously investigated environmental conditions Less environmental impacts than Alternative 4A-2 as existing site has been previously disturbed 		Unknown environmental conditions until specific site is selected.	
Economic	<ul style="list-style-type: none"> Minimizes cost of conveying raw water to WTP Lower capital cost than Alternative 4A-2 Use of existing facility and existing municipal land Lower operational and maintenance costs compared to Alternative 4A-2 		<ul style="list-style-type: none"> Larger capital cost associated with: A new water treatment facility and pumping Complexity of investigation prior to construction; Operation and maintenance of two facilities instead of one. 	
Overall Score and Summary	Recommended Alternative		Not recommended (unless Alternative 4A-1 cannot be completed due to hydrogeological limitations) due to	

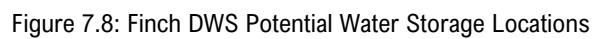
			higher capital and operating costs and more complex implementation	
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7.7.2 Water Storage

7.7.2.1 ALTERNATIVE 4B-1: NEW ELEVATED WATER STORAGE FACILITY

This alternative assesses the option of a new water storage facility in a new location, in addition to the existing location. The existing elevated towers are to be retained in each DWS to minimize the size required of the new facility. Recommendations for proposed storage locations consider elevations across the village, redundancy of supply and availability of land.

- Finch DWS
 - › Figure 7.8 is a map of the Finch water distribution network. The map shows the elevations of the village which suggest a relatively flat terrain. To maintain a single pressure zone, the three potential locations for the towers (shaded in purple) are selected based on being at similar elevations to the existing tower location. Location 1 and 2 are at the East end of the village along County Road 43. Location 3 is at the South end along Concession 1-2 Road. The exact location can be determined based on the land availability and potential cost sharing if development is proposed in those areas. Locations 1 and 2 provide an added benefit to being located across the river in that it provides redundancy to the existing serviced units and future developments located east of the river, and fire flows can be fed from both ends of the distribution system.
- Crysler DWS
 - › Figure 7.9 is a map of the Crysler water distribution network and illustrates the elevations of the village which suggest that there is relatively flat terrain. As such, one potential location for an elevated storage tank (highlighted in purple) is west of the village, north of the river along Charles Street. The ground at this location is at an elevation similar to the current water tower, possibly allowing the single pressure zone to be maintained. Due to the South Nation River cutting through the village, there is currently only one water distribution pipe connecting the two sides. A tower at this location would therefore be able to provide some emergency water supply redundancy to the systems north of the river in case of watermain failure.
- Moose Creek DWS
 - › Figure 7.10 illustrates a potential location for the storage facility, selected based on being at similar elevations to the existing storage location and being past the tracks which can provide redundancy to existing and future serviced units.



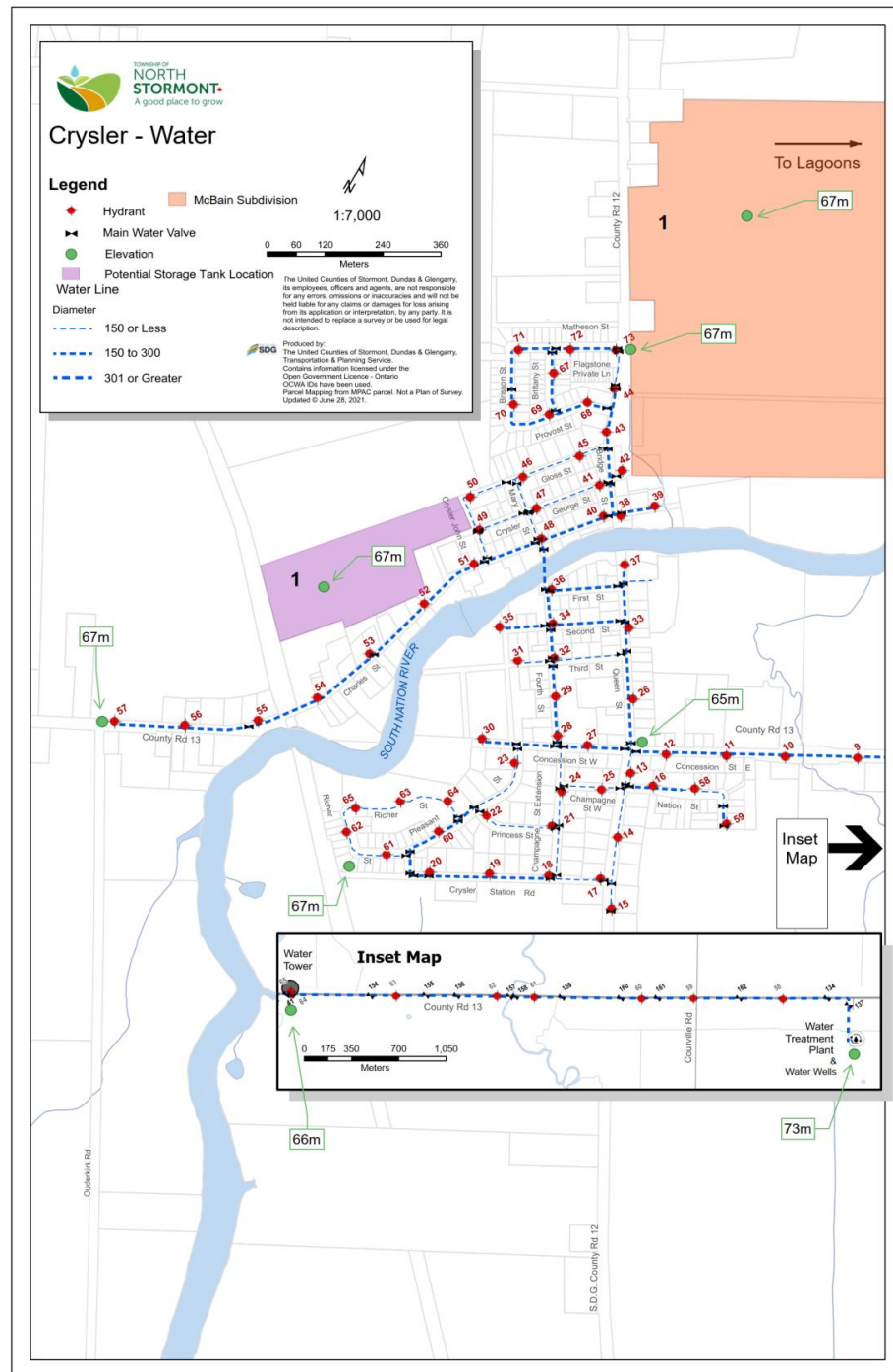


Figure 7.9: Chrysler Potential Water Storage Location

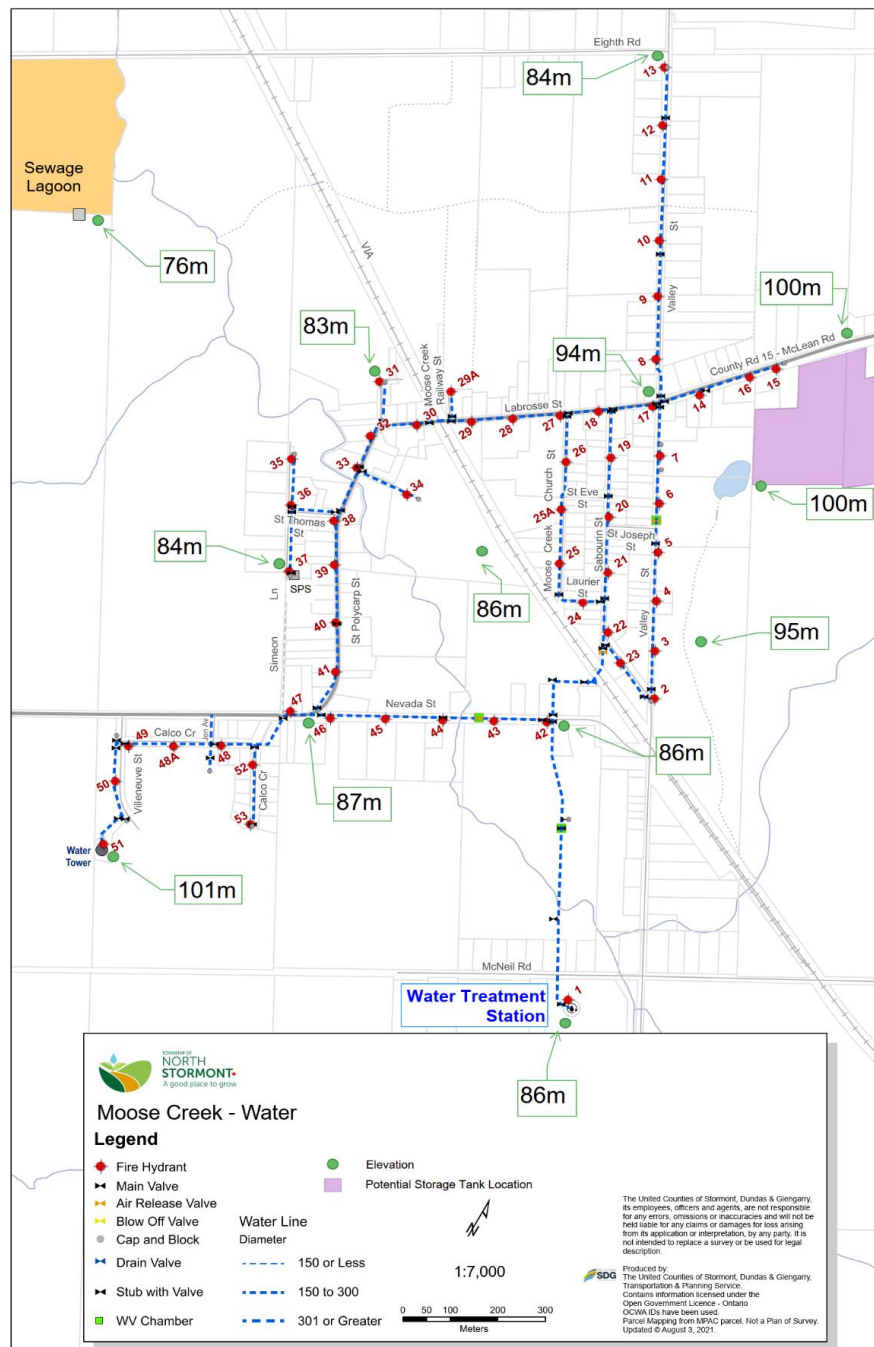


Figure 7.10: Moose Creek Potential Water Storage Location

7.7.2.2 ALTERNATIVE 4B-2: NEW AT-GRADE OR IN-GROUND STORAGE FACILITY

This alternative evaluates at-grade or in-ground storage tanks that can be sized to provide the additional storage capacity needed. The tanks can be installed beside or as an addition to the existing water treatment plants which minimize water conveyance infrastructure and facilitates accessibility for operation and maintenance activities. Two strategies are proposed:

1. In-ground storage tank as an extension of the existing clear wells at Moose Creek and Finch DWS
 - Moose Creek:
 - › The current elevated storage tank (capacity of 622 m³) can provide the fire flow and emergency water storage capacity required in 2051 (required fire flow + emergency storage in 2051 is 629 m³). Then, the new in-ground storage can be sized to provide the remaining volume for equalization storage (at least 230 m³).
 - › The inground storage tank could be designed as an extension of the clearwell. An example is shown in . Typically, water in storage tanks is recommended to be stored between one and three days only to reduce risk of deteriorating water quality and helping to maintain minimum disinfectant residuals. Designing the proposed inground tank as an extension of the clearwell will allow water recirculation in the tank, maintaining the water freshness which is a common challenge with storage reservoirs.
 - › Relocation of the existing HLPs to the extended tank. The HLPs may need to be upsized depending on the hydraulic model that will be needed as part of the design.
 - Finch DWS:
 - › Although the additional storage capacity needed is very small and could be eliminated by water conservation measures, extending the existing clear well would not only provide the additional capacity needed but could also be designed to allow for cell isolation capabilities that would allow for improved maintenance access (in response to the concerns raised by the operators).
2. Above-ground storage tank for Crysler DWS
 - › This option looks at an above-ground storage tanks to be located at the Crysler WTP. The current elevated storage tank has capacity (1,238 m³) to provide fire flow and equalization storage. An above ground tank with a minimum volume of 250 m³ can be used to store the emergency supply volume. For this alternative, pumps in the wells can be replaced with low lift pumps that only pump to the

new storage tank. A new HLP system would need to be installed in a new pumphouse building adjacent to the new tank and its firm capacity could be sized for future peak hour flow (under the assumption that fire flow will continue to be supplied from the elevated tower).

- › Although the size of the tank can be minimized by relying on the existing elevated tank, options for providing redundancy and backup storage when the tower is isolated can be explored during design stage. Currently, no fire flows are available when the tower is offline for maintenance.
- › The design will also need to develop a control strategy that will promote circulation of the water through the new storage tank and the existing elevated tank to maintain adequate turnover.

This alternative scores high in all categories. It is an exempt project under the MCEA process and would not need further Class EA investigation; and it requires minimum technical work as options for buried pre-cast tanks or above-ground tanks purchased as design-build contracts are available.

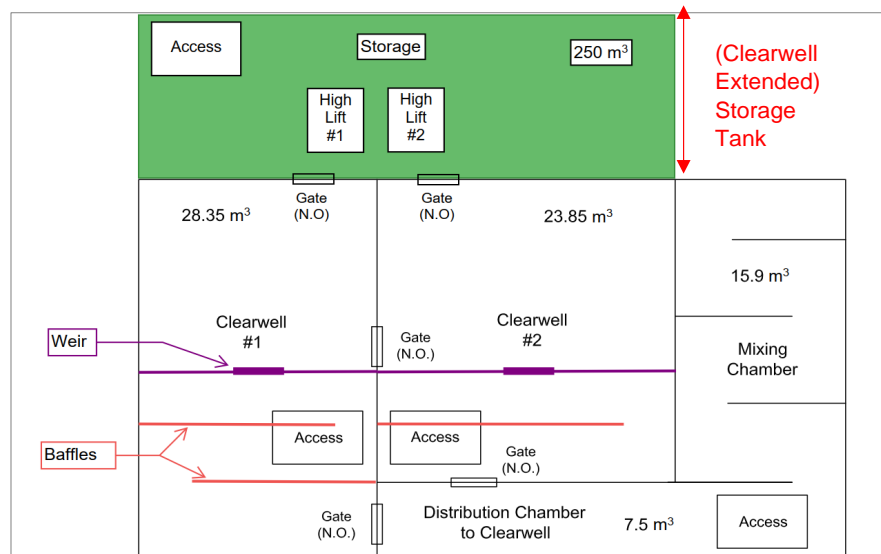












Figure 7.11: Example of extension of Moose Creek's clearwell with a storage tank

Table 7.10: Detailed Evaluation of Water Storage Alternatives

Evaluation Criteria	4B-1: New Elevated Tower	Rating	4B-2: New At-Grade or In-Ground Storage Facility	Rating
Technical	<ul style="list-style-type: none"> Re-chlorination maybe required Provides redundancy for areas located across the river crossing Schedule B Study required 		<ul style="list-style-type: none"> Recirculation of water through tank to prevent unused water residual Potential for increased chlorine contact time Relocation of high lift pumps Improves operational and maintenance activities of the existing system 	
Social and Cultural	<ul style="list-style-type: none"> Requires land acquisition Ensures water security and redundancy Aesthetic impacts to surrounding properties 		<ul style="list-style-type: none"> Use of existing municipal land Will provide redundancy to systems with clearwell 	
Environment	Unknown environmental conditions until specific site is selected		Construction on existing Municipal site that has been previously disturbed, therefore minimal to no environmental impacts anticipated.	
Economic	Large capital, operational and maintenance cost with minimal benefit that is not justifiable with respect to the severity of the issue		Much lower cost than Alternative 4B-1 while providing operational and maintenance ease; that is, cost that would have been generated from trucking water during emergency or fire flow scenarios can be offset by capital cost of this strategy.	
Overall Score and Summary	Not recommended due to the issue noted above.		Recommended Alternative	

7.8 Preferred Water Servicing Strategy

7.8.1 Overview

Based on the analysis and evaluation presented above, the following subsections summarize the water servicing master plan recommendations for the three urban settlements.

Since water demand is forecasted to exceed rated capacity beyond 2044 for Finch and Crysler, the key strategy to be implemented immediately is water conservation including universal metering. The costs could allow community growth to occur while delaying or eliminating the need for future expansion/upgrades. Reduced water usage can also reduce the required capacity for water storage for all three DWSs. However, to meet MECP guidelines for a redundant and secure water system, the firm capacity of the DWS must be able to provide the projected MDD and, as such, the recommendations are built upon this requirement.

Post implementation of the meters, monitoring of water demands on an on-going basis will not only provide an accurate representation of actual water use versus water loss, but will also allow identifying and updating the timing of future works as required.

7.8.2 Finch DWS

When, following the implementation of water conservation, water demands are confirmed to be climbing above 80% of the existing rated capacity, a hydrogeological investigation is to be undertaken to:

- Consider whether the existing wells could be stressed to allow the permitted capacity to increase slightly. With the existing PTTW capacity limit of 777 m³/d, a 6.5% capacity increase would suffice to meet the 2051 demand projected. A higher target increase of perhaps 20% should be considered to allow for potential longer-term demands; and
- Determine whether a third well at the existing wellfield could allow a small increase in firm well capacity.

Assuming that the hydrogeological investigation yields positive results, a Schedule 'C' Class EA study to increase the rated capacity of the plant will be required. As part of the Class EA, a technical cultural heritage study is required for areas that are part of cultural heritage resources. The Class EA would also include an examination of the existing treatment system, including:

- Capacity of existing H₂S stripping tower, and need for an additional unit;

- Capacity of clearwell for disinfection;
- High lift pump capacity;
- Capacity of existing flocculation tank and pressure filters, and need for additional equipment;
- Consideration of moving the filtration equipment to be upstream of the clearwell; and
- Evaluation of treatment effectiveness and consideration if changes could provide improvements to treated water quality.

Water conservation could likely eliminate the need for additional storage. However, if additional storage is needed, the Class EA study could also consider how best to expand the existing clearwell to accommodate the storage requirements and a technical cultural heritage study would assess any identified cultural heritage resource locations. It is assumed that there is adequate space on site to accommodate the clearwell expansion.

Upon completion of the above, detailed design and construction could proceed.

In addition, ongoing efforts to address Finch's leaking distribution is recommended to continue to estimate the DWS's water loss. The MECP guidelines recommends that DWSs with unaccounted water exceeding 15% of the ADD are to investigate the causes and reduce or eliminate them as much as possible. To determine unaccounted water volumes, water meters are needed to track the total billed water volume and compare to the distributed water volume. As such, implementation of water meters is key to ensuring efficient and sustainable DWSs.

7.8.3 Crysler DWS:

Since firm capacity exceedance is forecasted after 20 years (2044), the recommended strategy can be re-visited in next iteration of the Master Plan to confirm its applicability, especially with large housing development plans that are currently under planning stage. In the next Master Plan, following the implementation of water conservation, when water demands are confirmed to be climbing above 80% of the existing rated capacity, a hydrogeological investigation is to be undertake to:

- Consider whether the existing wells could be stressed to allow the permitted capacity to increase slightly. With the existing PTTW capacity limit of 1,685 m³/d, a 11-15% capacity increase would suffice to meet the 2051 demand projected; and
- Determine whether a third well at the existing wellfield could allow a small increase in firm well capacity.

Post investigation, an engineering study including a Schedule B Class EA or, if possible, a screening to exempt the project from a Class EA is to be undertaken. The project would need to consider:

- Required upgrades, if any, to the existing UV disinfection system and chlorine contact tank; and
- Scope of the identified required upgrades.

The Class EA study could also incorporate scope of the proposed above-grade storage tank including the provision of HLPs to pump the stored water into the distribution system. This design will likely require replacement of the well pumps with pumps of lower TDH capacity. It is assumed that there is sufficient space on the existing site for the new tank and pumping facility.

As part of the Class EA, a technical cultural heritage study would need to be completed to review archaeological resources, BHRs, and CHLs falling within the proposed study areas.

Upon completion of the above, detailed design and construction could proceed.

7.8.4 Moose Creek DWS

When, following the implementation of water conservation, water demands are confirmed to be climbing above 80% of the existing rated capacity, undertake a hydrogeological investigation to:

- Consider whether the three existing wells could be modified to allow a firm capacity of 850 m³/d. It should be noted that the existing PTTW allows for 896 m³/d which is above the 2051 projected demand (850 m³/day), however the current well pumps have only a firm capacity of 604 m³/d at present.
 - With the replacement of Well No.3 already in the current capital plan, it is recommended that, at minimum, the new well be sized for at least 7 L/s (\cong 600 m³/day). A new 4th well will not be needed if this additional capacity is acquired from the replacement well, as it will increase the DWS's firm capacity (provided only by Well No.2 and No.3) to 860 m³/day when Well No.1 is out of service.
- Determine whether a fourth well at the existing wellfield is required to achieve the required firm capacity.

Following the investigation, undertake an engineer study to develop the details for clearwell expansion and modifications, if deemed necessary, to the high lift pumping. This work would be exempt from Class EA requirements as it is assumed that this work could be done within the existing site.

It was noted by operations staff that there have been water quality concerns. The study should also collect raw and treated water quality samples to determine how significant these concerns are. If water quality is determined to be a problem, then the engineering project may need to expand to a Schedule 'C' class EA to consider alternatives for a new water treatment for the community. As part of this class EA, a technical cultural heritage study would need to be completed.

Upon completion of the above, detailed design and construction could proceed.

7.8.5 Implementation Timeline

If the hydrogeological investigations noted in each investigation determine that no capacity expansion is possible within existing wellfields, then the next step would be for the hydrogeological study to expand to examine other potential wellfield locations in close proximity to the various distribution systems. As noted in Section 6.2, if MCM's screening checklist shows potential for archaeological areas or cultural heritage resources, then required studies are to be completed by licenced/ qualified person(s) and submitted for review.

At the current water usage and without water metering, the anticipated timeline required for the recommendations is provided in Table 7.11.

Table 7.11: Water Master Plan Recommendations Implementation Timeline

Work	0 – 5 years (2025 – 2030)	5 – 10 years (2030- 2035)	10 – 15 years (2035- 2040)	15-20 years (2040- 2045)	20-25 years (2045- 2050)
Water Meters	<ul style="list-style-type: none"> • Crysler • Finch • Moose Creek 				
Hydrogeological Investigation	Finch	Crysler			
Class EA / Engineering Study	Finch	Crysler			
Implementation of Water Supply Strategy	Moose Creek ¹		Crysler	Finch	
Implementation of Water Storage Strategy		Moose Creek	Crysler	Finch	

1: Assuming that hydrogeological investigation for Replacement Well #3 will incorporate the recommendations in Section 7.8.4, such that firm capacity of DWS can meet the projected MDD to 2051.

7.8.6 Chrysler Sensitivity Analysis

Figure 7.13 and Figure 7.12 illustrate the projected water demand if the committed development is populated under the proposed development growth rate. As seen, both rated water supply and water storage capacities are exceeded at least 10 years sooner. Note that infrastructure designed for this scenario is at risk of being significantly oversized if actual population growth does not follow this rate. Oversized supply and storage facilities pose operational and maintenance issues such as inability to maintain fresh water without excessive flushing, and oversized treatment equipment that will not operate efficiently, etc.

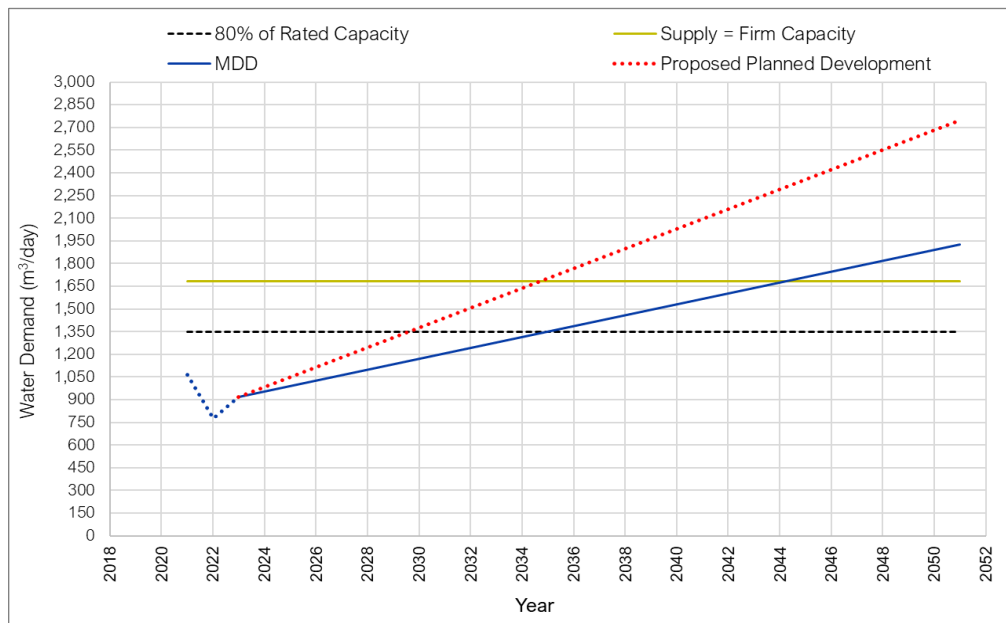


Figure 7.13: Crysler Projected Water Demand under Proposed Planned Development Population Growth Rate Scenario

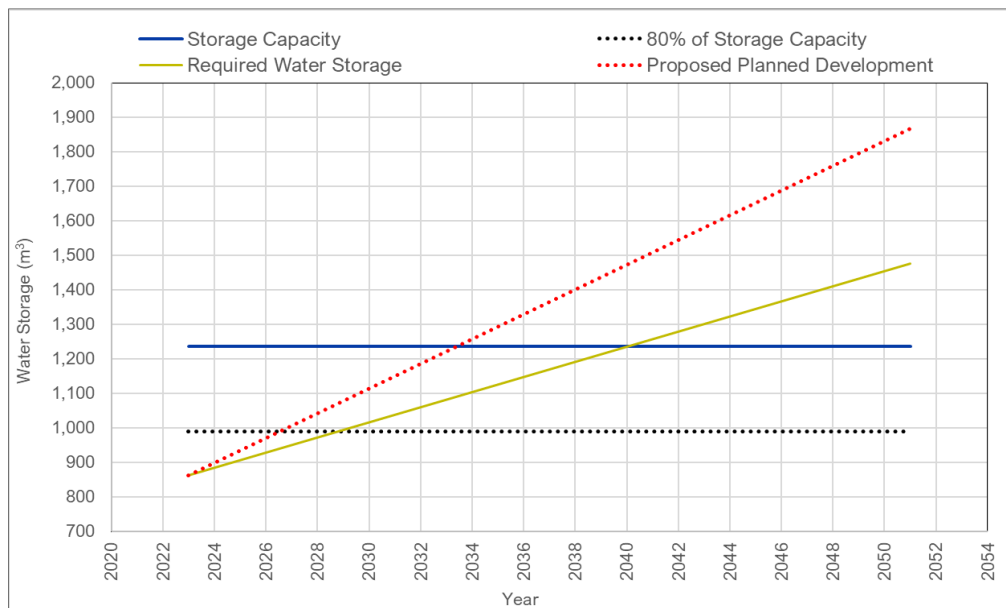


Figure 7.12: Crysler Projected Water Storage Capacity Required under Proposed Planned Development Population Growth Rate Scenario

7.8.7 Climate Change Resiliency

As climate change intensifies, water resource management faces increasingly complex challenges. Variability in rainfall patterns, higher temperatures, and more frequent droughts can cause significant fluctuations in groundwater availability. These changing conditions can directly impact aquifer levels with potential consequences for both water supply and water quality. To sustain reliable water service for the community, it is essential to incorporate climate resilience into long-term planning and operational strategies.

The current system relies on multiple wells within a single wellhead area which can heighten the vulnerability of the overall water supply, as drawdown from one well during a drought period affects the water available in adjacent wells. Such conditions increase the risk of well interference and decrease efficiency. Prolonged drawdown in a single wellhead area can also lead to higher pumping costs, reduced well productivity, and potential impacts on water quality as aquifers experience changes in pressure and flow.

It is essential to consider solutions that address the risks posed by climate change and the associated drops in groundwater levels. Key strategies to bolster resilience include:

1. Diversification of Well Locations: One approach to mitigate the risk of aquifer depletion is to diversify the locations of new wells outside of the current wellhead area. While spreading well locations across a larger geographical area could potentially reduce the drawdown impact, this solution has limitations, including the cost and logistical challenges of finding and developing suitable well sites are substantial. In some cases, it may also be impractical due to land availability and regulatory requirements.
2. Proactive Contingency Planning: Given the impracticalities of significantly diversifying well locations, a robust contingency plan is essential. This plan should include:
 - a) Monitoring and Adaptive Management: Implement real-time monitoring of groundwater levels and aquifer health to enable timely responses to changing conditions. By maintaining a data-driven approach, the utility can adapt operations as drought conditions fluctuate.
 - b) Water Demand Management: Instituting water conservation measures during peak drought periods can help reduce the strain on groundwater resources, extending the usability of the aquifer.
 - c) Supplementary Water Sources: Investigate the potential for supplementary water sources, such as surface water or treated reclaimed water, to reduce reliance on the aquifer during peak demand periods.

It must be noted that strategies a) and b) in point 2 above requires water metering to be able to implement.

8.0 WASTEWATER MASTER PLAN

8.1 Data References

The following references for each wastewater treatment system (WWTS) were used for developing the Wastewater Master Plan;

- Finch
 - › Certificate of Approval, Municipal and Private Sewage Works, Number 1853-5N2QGY (Ministry of the Environment 2003)
- Crysler
 - › Amended Environmental Compliance Approval, Number 9170-9PXLXZ (Ministry of the Environmental and Climate Change), Issued 11/19/2014
- Moose Creek
 - › Amendment to Certificate of Approval, Sewage, Number 3-1555-91-936 (Ministry of Environment and Energy 1997)
- Annual Reports from 2021 – 2023 for each WWTS.

8.2 Wastewater Treatment System Descriptions

8.2.1 Finch - Crysler Wastewater Collection and Treatment System

The village of Finch has only a wastewater collection system which discharges to that of Crysler's. Finch's sewage collection system comprises of three sewage-pumping stations (SPS) - SPS No. 1, 2, and 3 - that collect wastewater from across the village. Since MCEA Approach 1 for Master Plans directs for a broad level of assessment, only the Finch Main SPS - SPS No. 1 that also collects wastewater from SPS No. 2 and 3 - is evaluated. SPS No. 1 has a rated capacity of 14.5 L/s and houses two submersible pumps (one duty/one standby). It discharges the collected flow to a transition manhole chamber located approximately midway between the two urban settlements via a 150mm diameter and 5.4 km long forcemain. From the forcemain, a 250mm diameter and 3.5 km long gravity sewer discharges flow to Crysler Main SPS.

The Crysler sewage collection system has one SPS located at 4 Queen Street that collects wastewater from the entire village as well as from the Finch SPS No. 1. The SPS houses two pumps (Lead/Lag) and has a rated capacity of 46 L/s. It discharges flow to the Crysler Wastewater Treatment Lagoons (lagoons) via a 200 mm diameter and 2.7 km long forcemain. The forcemain was designed for a peak flow of 35 L/s.

The Crysler lagoons are located at 1521 County Rd.12 and comprise of two facultative cells equipped with wind powered aerators and one aeration cell with sixty helical aerators fixed to the cell floor. The helical aerators are connected to two air blowers housed in an aeration building. Phosphorus control is provided by aluminum sulphate dosing which is stored in a chemical injection building. The lagoons currently discharge in spring time only. Table 8.1 provides the capacities of Crysler's WWTS.

Table 8.1: Crysler WWTS Capacity

Infrastructure	Capacity	Source
Facultative Cell 1	Surface Area = 4.38 ha Operating Volume = 61,700 m ³	ECA #9170-9PXLXZ
Facultative Cell 2	Surface Area = 6.16 ha Operating Volume = 87,900 m ³	
Aeration Cell	Surface Area = 4.14 ha Operating Volume = 148,000 m ³	
Blowers (total)	2,125 m ³ /hr	
Rated Capacity	1,118 m ³ /day	

Table 8.2 provide the lagoon's spring and fall discharge objectives, and Table 8.3 provide the lagoon's spring and fall discharge limits.

Table 8.2: Crysler Lagoons Effluent Objectives

Effluent Parameter	Seasonal Average Concentration		Seasonal Waste Loading	
	Spring ¹	Fall ²	Spring ¹	Fall ²
CBOD5	25 mg/L	12 mg/L	7,391 kg	1,349 kg
Total Suspended Solids	25 mg/L	20 mg/L	7,291 kg	2,248 kg
Total Phosphorus	<1 mg/L	0.4 mg/L	<296 kg	45 kg
Total Ammonia + Ammonia Nitrogen	15 mg/L	2 mg/L	4,435 kg	225 kg
Hydrogen Sulfide	<0.26 mg/L	Non-detectable	<77 kg	Non-detectable

1: Spring discharging volume is 295,650 m³ between March 15 – April 30

2: Fall discharging volume is 112,420 m³ between November 4 – December 17

Table 8.3: Crysler Lagoons Effluent Limits

Effluent Parameter	Seasonal Average Concentration		Seasonal Waste Loading	
	Spring ¹	Fall ²	Spring ¹	Fall ²
CBOD ₅	30 mg/L	15 mg/L	8,870 kg	1,686 kg
Total Suspended Solids	30 mg/L	25 mg/L	8,870 kg	2,811 kg
Total Phosphorus	1 mg/L	0.5 mg/L	296 kg	56.21 kg
Total Ammonia + Ammonia Nitrogen	20 mg/L	6 mg/L	5,930 kg	675 kg
Hydrogen Sulfide	0.26 mg/L	Non-detectable	77 kg	Non-detectable

1: Spring discharging volume is 295,650 m³ between March 15 – April 30

2: Fall discharging volume is 112,420 m³ between November 4 – December 17

8.2.2 Moose Creek Wastewater Collection and Treatment System

The Moose Creek sewage collection system has one SPS located at 37 Simeon Lane. The SPS houses two pumps operated as lead/lag system, and has a rated capacity of 16.6 L/s. It discharges flow via 150mm diameter and 990m long forcemain to the Moose Creek Lagoons. The SPS has a generator in a control building for backup power.

Wastewater treatment is provided in the Moose Creek lagoons located on Lot 22, Concession 7 and comprises of two facultative-aerated lagoon cells equipped with seven aerators. Each cell is 109 m wide x 220m long (total mean area of 5.6 ha) with a maximum operating liquid depth of 2m, providing a combined storage volume of 110,376 m³. The lagoons operate under Certificate of Approval # 3-1555-91-936 which allows annual discharge only to the Moose Creek Drain. Its rated capacity is 302 m³/day.

Table 8.4 provides the lagoon's effluent objectives and permit limits. Effluent TSS has exceeded the objective criteria in 2019, 2020, 2023 and 2024, attributed mainly to algae. Ammonia (TKN) effluent criteria is challenging to meet during colder springs.

Table 8.4: Moose Creek Lagoons CoA Effluent Criteria

Parameter	Objectives		Limit	
	Concentration	Loading	Concentration	Loading
BOD ₅	15 mg/L	166 kg/d	30 mg/L	331 kg/d
Total Suspended Solids	20 mg/L	121 kg/d	30 mg/L	331 kg/d

Parameter	Objectives		Limit	
	Concentration	Loading	Concentration	Loading
Total Phosphorus	<0.5 mg/L	<5.5 kg/d	1.0 mg/L	11 kg/d
TKN	Absent		15 mg/L	166 kg/d
Hydrogen Sulfide	Absent		0.17 mg/L	1.9 kg/d

8.3 Wastewater Design Parameters

8.3.1 Overview

Historical average and maximum day wastewater flows for each wastewater system were obtained from the Annual Reports provided by the Township. Only data from 2021 to 2023 is considered as the connected population information is only available for those three years. The data is then analysed per the MECP *Design Guidelines for Sewage Works* and the *Water Environment Federation (WEF) Design Guidelines*.

The peak flow peaking factor obtained will be used to estimate the future peak flows that will be received at the main SPSs.

8.3.2 Wastewater Treatment

Table 8.5 summarizes the historical data used to estimate the per-capita (per person) wastewater flow and peak flow in each urban settlement. The Crysler WWTS flows and connected population are the combined values for the villages of Finch and Crysler, representing the combined system.

8.3.3 Wastewater Collection

Wastewater collection systems comprise of the sanitary sewers and the SPSs which receive peak instantaneous flows. Per the MECP guidelines, the firm capacity (with largest pump out of service) of the SPS is to be sized for the projected peak flows.

Peak flows are typically recorded on a 5-minute interval basis at the main SPSs that discharge to the downstream wastewater treatment facilities. In the absence of this data, peak flows for all three villages can be estimated using WEF guidelines as follows:

- Typical maximum day peaking factor for corresponding ADF per WEF guidelines is 3.0 for all three WWTSs.
- Table 8.5 shows that the actual maximum day peaking factors recorded is plus 0.7 – 1.1 larger, especially in the last two years (2022 and 2023) which shows an increasing trend in the peak flows.

- Therefore, to obtain a peak flow peaking factor that considers the above variance from typical factors, the peak flow peaking factor provided by WEF is increased by 1.0 which is the average additional increase observed in the *actual (observed)* – *typical* maximum day peaking factors (average of 0.7 to 1.1).
- The resulting peak flow peaking factor used for estimating the historical peak flows are provided in the table.

The peak flow peaking factor obtained will be used to estimate the future peak flows that will be received at the main SPSs.

8.3.4 Wastewater Treatment

Table 8.5: Historical Wastewater Flow Analysis

Year	ADF (m ³ /day)	MDF (m ³ /day)	Peaking Factor ¹	Connected Population ²	Per-capita Flow (L/cap/day)	Peak Flow (L/s)
Finch						
2021	149	437	2.9	591	252	Peaking Factor per WEF = 5.5
2022	157	678	4.3	603	260	
2023	180	718	4.0	616	292	
Average	162	611	3.7	-	268	6.5
Finch - Crysler						
2021	558	2,000	3.6	1,704	327	Peaking Factor per WEF = 5.5
2022	567	2,280	4.0	1,757	323	
2023	630	3,030	4.8	1,810	348	
Average	585	2,437	4.1	-	333	6.5
Moose Creek						
2021	228	742	3.3	575	397	Peaking Factor per WEF = 5.5
2022	240	863	3.6	588	408	
2023	252	1,088	4.3	601	420	
Average	240	898	3.7	-	408	6.5

1: Peaking Factor is taken as the ratio of the MDD to the ADD.

2: Values are not rounded, to allow providing the actual numbers used to calculate the per-capita factors.

The data is illustrated graphically in Figure 8.1 and suggests that per-person wastewater flow is increasing in North Stormont. Although not the only factor, lack of water metering can be a cause of this trend.

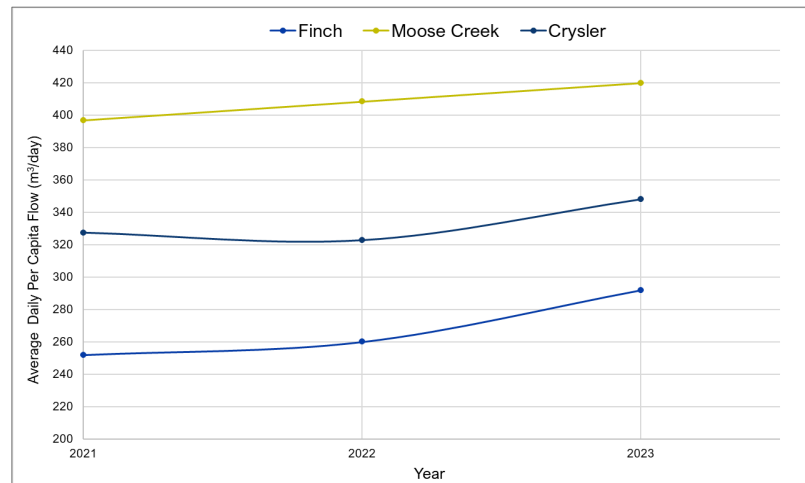


Figure 8.1: Historical Residential Wastewater Flow

8.4 Opportunities and Constraints

8.4.1 Wastewater Flow Projections

Table 8.6 provides the future wastewater flows for each urban settlement using the historical average per-capita wastewater flow, the forecasted population to 2051 provided in Table 5.1, and the committed population provided in Table 5.2.

Table 8.6: Forecasted Wastewater Flow to 2051

Parameter	Urban Settlement	Finch	Crysler (HGS)	Moose Creek
Average Daily Flow				
A = 2051 Serviced Population		885	3,060	1,080
B = Per-Capita Flow (m³/day)		0.268	0.333	0.408
A x B = C = 2051 ADF (m³/day)		237	1,018	438
Peak Flow				
D = 2051 ADF (L/s)		2.7	11.78	5.07
E = Peak Flow Peaking Factor (Table 8.5)		6.5	6.5	6.5
D x E = F = 2051 Peak Flow (L/s)		17.8	76.6	32.9
Committed Capacity				
G = Committed Population		N/A	915 ¹	30
H = Per-Capita Flow (m³/day)			0.333	0.408

Parameter \ Urban Settlement	Finch	Crysler (HGS)	Moose Creek
G x H = I = ADF from Committed Population (m³/day)		305	12
J = Current ADF (m³/day)¹		585	240
I + J = K = Total Committed Capacity (m³/day)		890	252
L = WWTS Rated Capacity		1,118	302
L – K = M = Remaining Available Capacity (m³/day)		229	50

1: Includes committed population in both Finch and Crysler (36 + 875 people, refer to Table 5.2)

Figure 8.2 to Figure 8.6 illustrate the wastewater peak and average daily flow trends projected to 2051 for the three urban settlements

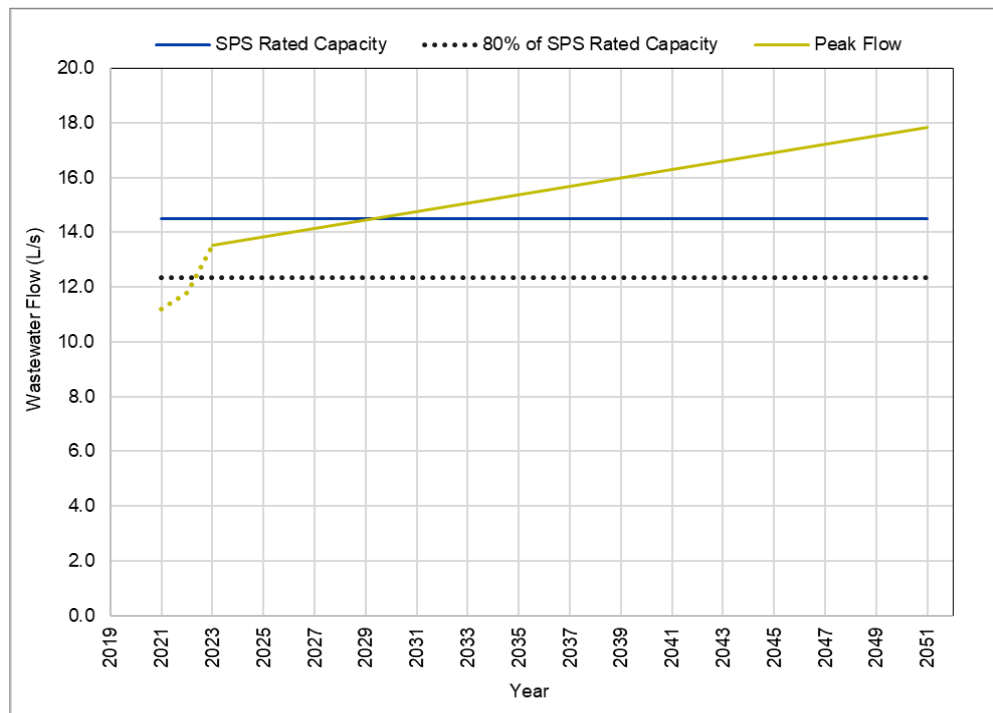


Figure 8.2: Finch SPS - Projected Peak Flow

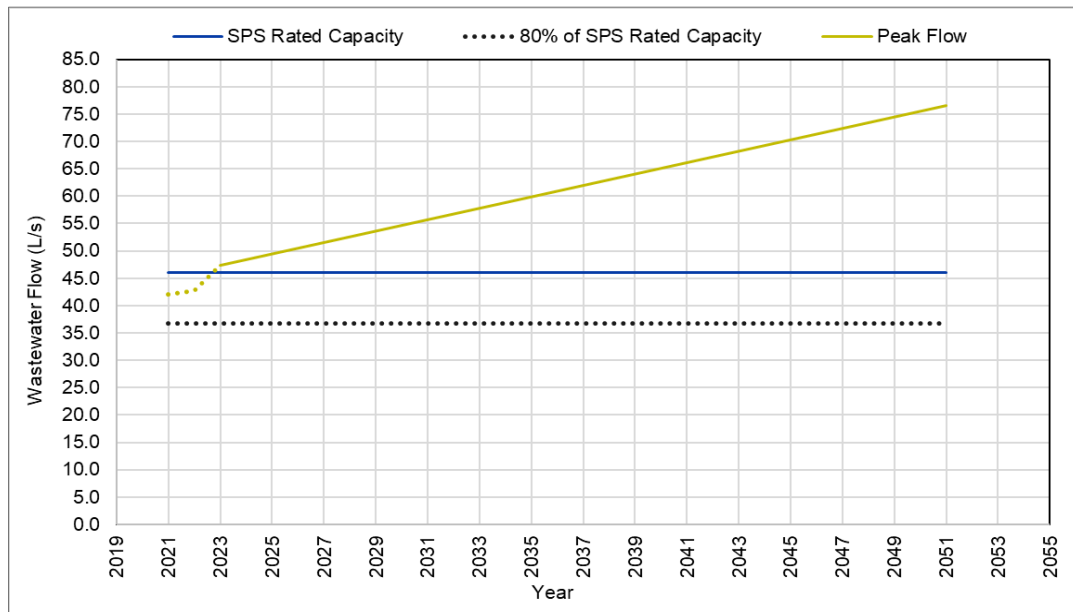


Figure 8.4: Crysler SPS - Projected Peak Flow

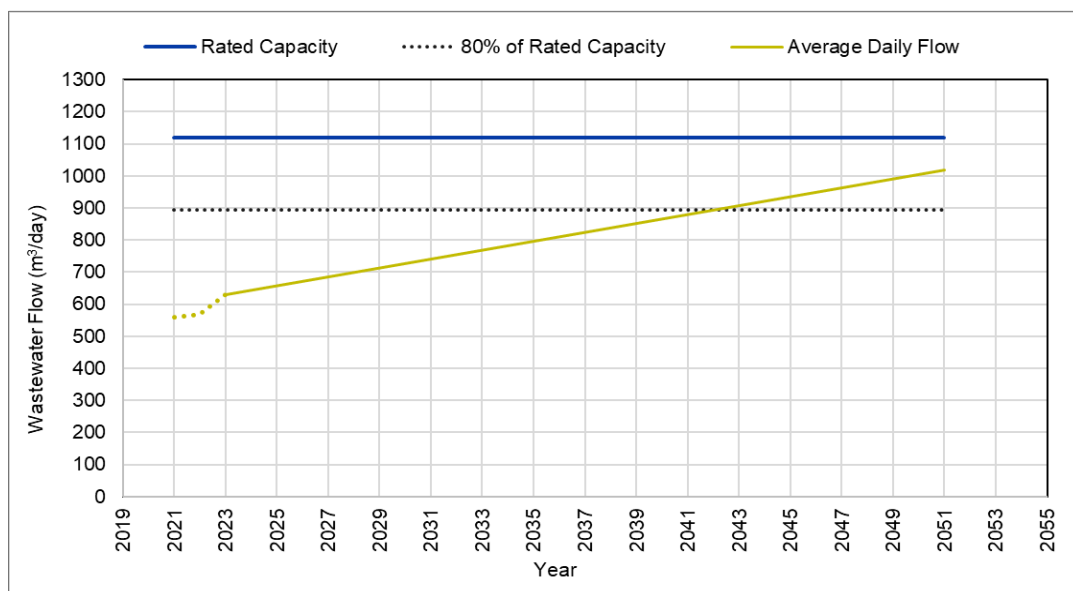


Figure 8.3: Crysler Lagoons - Projected ADF

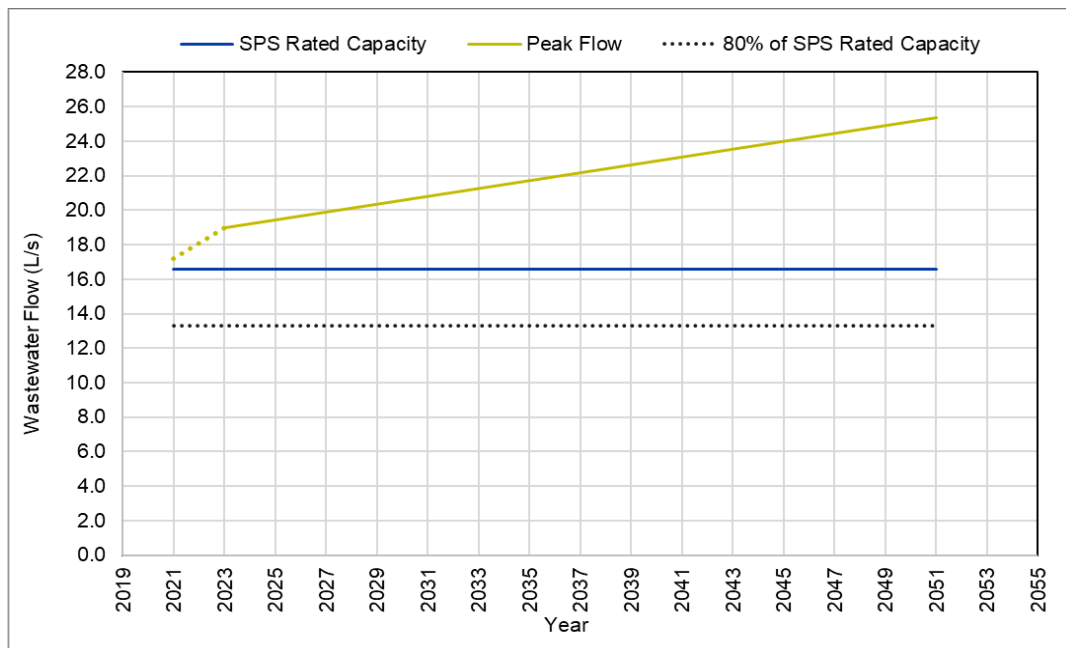


Figure 8.6: Moose Creek SPS - Projected Peak Flow

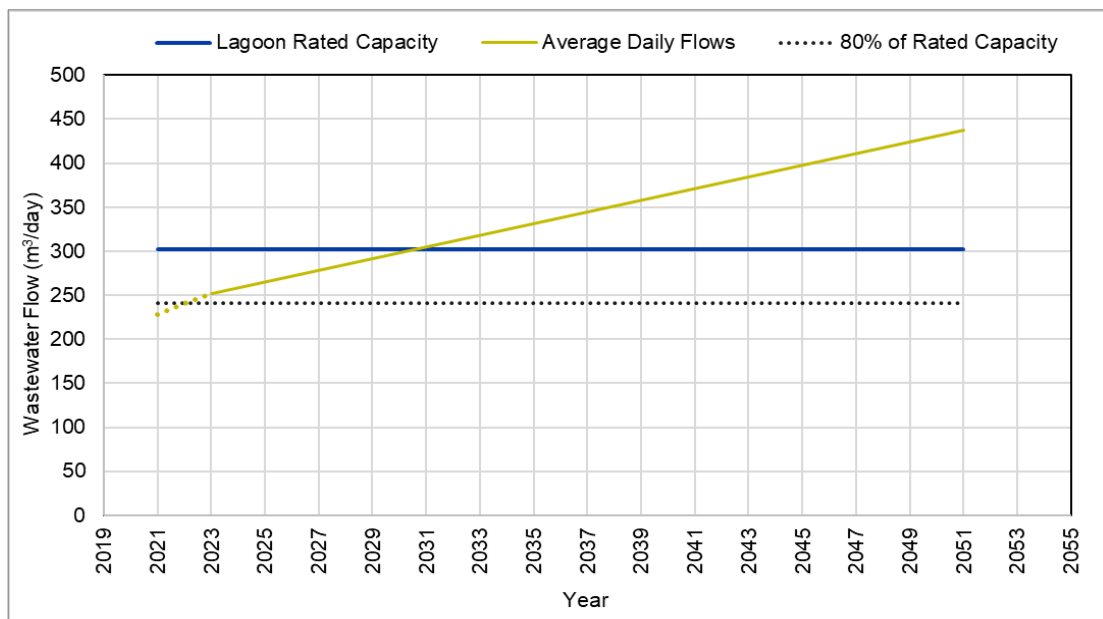


Figure 8.5: Moose Creek Lagoons - Projected ADF

8.4.2 Servicing Constraints

Table 8.7 provides the projected capacity deficits that will result in servicing constraints for each of the WWTs.

Table 8.7: WWTs Servicing Constraints

Parameter	2051 Flow	Rated Capacity	Surplus / (Deficit)
Urban Settlement	Collection System – Peak Flows (L/s)		
Finch	16.5	14.5	(-2.0)
Finch-Crysler	70.7	46.0	(-24.7)
Moose Creek	32.9	16.6	(-16.3)
Urban Settlement	Wastewater Treatment Lagoons – ADF (m³/day)		
Finch- Crysler	1,018	1,118	100
Moose Creek	438	302	(-136)

Additionally, the following operational and maintenance issues were communicated from the system operators:

1. Sewage collection system:
 - Finch
 - › Neither of the SPSs across the village have back up power. During power outages, sewage has to be hauled offsite manually.
 - › SPS No. 1 has a history of flooding during peak flows which requires excess sewage to be trucked offsite.
 - › The forcemain transition manhole chamber is located in a farmer's field and has limited access. Operations staff have noted odor issues that can be attributed to H₂S presence. The manhole structure shows visual signs of poor concrete condition (concrete pitting) and a corroded access ladder that needs to be replaced as it currently unsafe to be use.
 - › The outlet manhole beside the creek gets flooded during peak flows due to leaking cover.
 - › The SPSs across the village feeding the main SPS No. 1 have maintenance challenges. Due to the size of the wet wells, accessing to the bottom is difficult and, by extension, removing the pumps for inspection and maintenance is also challenging.

- › Control panels for the SPSs are due for replacement due to deteriorating conditions. They are exposed and are prone to heating issues during hot weather. However, this does not cause any monitoring issues.
 - Crysler
 - › In April 2023, about 8 hours of haul trucks were needed to handle peak flows which shows that the SPS is significantly undersized for current flows. The general location of the station is also not convenient for the trucks access.
 - › Additionally, due to lack of routine exercising maintenance on the isolation valves in the SPS, the operability condition of these valves is unknown. There is also no automatic duty rotation of the pumps and the operating system is old. The standby generator at the SPS is old and is sized to operate only one pump at a time.
 - Moose Creek SPS: structural, and process and mechanical equipment deterioration due to aging, which poses safety hazard during operations and maintenance.
2. Wastewater Treatment Lagoons
- Crysler Lagoons
 - › Structural deterioration of the inlet structure to the facultative cells.
 - › Both facultative cells have excessive vegetation growth.
 - › South east berm of facultative Cell No. 2 is lower than the overflow elevation in the effluent chamber.
 - › Equipment including aeration system are past their service life.
 - Moose Creek Lagoons: the existing blowers feeding the aeration system in the facultative aerated lagoons need to be replaced with larger capacity blowers.

8.5 Development of Alternatives

8.5.1 Overview

The following alternatives strategies are identified as potential servicing solutions for the three WWTSSs.

1. Do Nothing;
2. Limit Community Growth;
3. Infiltration and Inflow Control and Reduction;
4. Upgrade Existing Wastewater Collection and Treatment Facilities; and
5. Expansion of Wastewater System via New Facilities.

Alternative Strategies 1 and 2 are not assessed further following the same reasonings provided for the Water Master Plan. Screening of the long-list of strategies and evaluation of the short-listed strategies follows the same methodology as that of the Water Master Plan.

8.5.2 Alternative 3: WWTS Infiltration and Inflow Control and Reduction

This alternative solution considers implementation of programs to reduce extraneous wastewater flows into the wastewater collection system. Exposure to extraneous flow can arise from the following:

- Groundwater infiltration into sewer pipes through cracked sewer pipes;
- Rainfall-derived inflow into sewer systems through foundation drain connections, roof eaves trough connections, manhole lids, storm sewer interconnections, etc., and;
- Rainfall-derived infiltration through cracked sewer pipes and manholes.

Reduction of extraneous WWTS infiltration and inflow throughout the three urban settlements will help reduce future flow requirements, reduce sewage pumping and wastewater treatment plant operational costs, and regain wastewater treatment plant capacity thereby extending its service life. However, this strategy alone cannot address the PaP statement or address Moose Creek's forecasted capacity deficit on its own, as it is highly unlikely to reduce the forecasted sewage volume to below the collection system's rated capacity for Moose Creek lagoons. This strategy also has very low cost/benefit factor and may have negligible impact to the current flows. As such, this strategy is recommended to be incorporated to comply with the general sustainability goals in combination with the preferred strategy.

8.5.3 Alternative 4: Upgrade Existing Wastewater Collection and Treatment Facilities

This alternative looks at increasing the capacity of the existing facilities by retrofitting them using technology or optimizing their operational settings.

For the wastewater collection system, capacity exceedances are projected for the main SPSs in all three WWTS; therefore Alternative 4A will evaluate upgrading the SPS for expanding the identified bottlenecks in the wastewater collection system.

For wastewater treatment, only the Moose Creek lagoons are forecasted to exceed the capacity; for which the following options to expand its rated capacity while meeting anticipated stringent effluent limits will be explored:

- Alternative 4B-1: Treatment Optimization via Technology; or
- Alternative 4B-2: Modified Lagoon Operation.

The alternative strategies for the lagoons are developed considering two key points below:

- Since the Moose Creek Lagoons capacity need to be upsized to accommodate growth, an Assimilative Capacity Study (ACS) will be required which will determine the capability of the receiving stream to accommodate the increased flows as well as the effluent characteristics of the system. It must be noted that since the establishment of the current effluent limits in 1997, effluent requirements have become more stringent in response to provincial and federal environmental protection goals. It is, therefore, highly likely that the ACS will require lower effluent limits that must be achieved by the Moose Creek lagoons than currently established in the 1997 CoA.
- The wastewater influent characteristics (specifically BOD₅ and TSS) were projected to 2051 to determine the actual additional capacity needed. The preliminary calculation results show that while the existing lagoons do have the surface area needed to provide treatment for the 2051 BOD loadings per MECP guidelines, they do not have the storage volume needed to provide the one year hydraulic detention time (to be able to discharge annually). As such, either additional storage volume or Hydrograph Controlled Release (HCR) is needed to address this issue. Discharge from HCR lagoons are based on the flow conditions in the receiving stream, where effluent discharge is allowed during high flow conditions that can occur through out the year.

Additionally, exceedance of TSS limits in the last two years where flows are at 80% of the rated capacity indicates that the lagoons may not be able to accommodate any increase in flows. With continued exceedances, a freeze on additional connections may be ordered by the MECP until the issue is resolved. As such, the Township is recommended to undertake the Schedule C Class EA required for the lagoon capacity expansion prior to approving any additional growth and development within the village.

8.5.4 Alternative 5: Expansion of the Wastewater System via New Facilities

8.5.4.1 OVERVIEW

This alternative looks at options for addition of collection and treatment facilities to expand the capacity of the WWTSS.

- Alternative 5A looks at implementing a new SPS to collect the excess flows.
- Options for the Moose Creek lagoons are:
 - › Alternative 5B-1: New Facultative Lagoon
 - › Alternative 5B-2: Convert to Mechanical Treatment Facility

8.5.4.2 ALTERNATIVE 5A: NEW SEWAGE PUMPING STATION

This strategy revises the option of replacing the SPSs in all three villages. The new SPS's firm capacity is to be sized for the design peak flow. This strategy will address the existing operational and maintenance issues, and existing and future capacity issues.

Due to the large capital cost, constructability challenges as existing SPS can only be decommissioned once the new SPS is built adjacent to it, and a requirement for a Schedule B Class EA, this strategy scores low on technical and economical categories. Although this strategy maybe implemented if the existing SPS conditions warrant a complete replacement, this strategy is not recommended if the concrete condition is good or needs only minor rehabilitation.

8.5.4.3 ALTERNATIVE 5B-1: NEW FACULTATIVE LAGOON

This strategy comprises of a new third lagoon to increase treatment rated capacity. Options between aerated facultative lagoon or an aerobic cell depends on the ACS results. Proceeding with the conservative assumption that more stringent effluent limits will be imposed which will continue limiting discharge to once a year, the third cell can be a facultative lagoon that will have to be sized to provide storage volume for the excess flows.

Aeration treatment may not be required as the two existing aerated facultative lagoons have ample solids loading capacity for biological treatment and nutrient removal. The third cell is needed to store the flows prior to spring discharge. Therefore, a condition assessment of the existing aeration system in the facultative lagoons and their ability to meet the future loadings is recommended as part of this strategy.

This option scores the lowest on all four categories due to the following:

- The new facultative lagoon will require a minimum additional 5.4 ha to meet the detention volume needed for annual discharge. This is a significantly large capital cost compared to the other options;
- Under the MCEA, this project will require a Schedule C Class EA with cultural heritage resources studies due to the large area of additional land required as detailed in Section 6.2;
- Land acquisition may be needed for the new cell plus additional permit requirements for its relatively larger environmental impact;
- This option does not optimize the operation of the existing facility to accommodate the additional flows and the solution is limited to meeting the 2051 flows. Beyond this year, any additional flows cannot be accommodated by these upgrades and the plant will need to be upgraded again; and

- The cost of the lagoon and associated aeration system is estimated at \$10 Million.

If the ACS permits HCR discharge, a complete-mix aerated pond (aerobic cell) can be implemented which will require significantly less area (about 0.05 ha based on plug flow design). The plant can mimic the Chrysler Lagoon system with initial treatment provided in the upstream facultative lagoons followed by additional treatment in the aerobic cell. A tertiary filter system or a settling pond will highly likely be required post-lagoon for TSS removal. However, all disadvantages listed above except bullet point 1 is still applicable to this option, as the reduced cost from the smaller cell will be offset by the capital and operation costs of the aeration system needed for the aerobic cell. As such, this solution does not meet the PaP statement and is not evaluated further.

8.5.4.4 ALTERNATIVE 5B-2: CONVERT TO MECHANICAL TREATMENT FACILITY

This alternative comprises of decommissioning the existing lagoons as treatment units and construct a new full-scale mechanical treatment plant, rated for the 20-year design flow. This mechanical treatment plant will provide activated sludge treatment based on the assumption that the ACS results will approve HCR discharge. The activated sludge plant can meet the more stringent effluent limits anticipated to be the condition for allowing HCR discharge. Although several options can be implemented, a practical configuration is a Sequencing Batch Reactor (SBR) plant, as it reduces the number of tanks required for separate process treatments. The proposed plant configuration for an SBR plant will require the following:

- Headworks facility for raw wastewater screening grit removal;
- Atleast two SBR tanks for biological treatment and nutrient removal;
- Effluent filtration provided by cloth media filters (if required);
- Effluent disinfection prior to discharge; and
- The existing lagoons can be used for sludge management.

This alternative scores low on all four categories for the following reasons:

- Estimated cost of this facility is approximately \$30 Million including land acquisition;
- Significantly greater energy consumption; and
- Complex operational and maintenance requirements requiring operator training.

Although this strategy is a long-term solution as a mechanical plant can be optimized/upgraded to treat flows beyond the study horizon of 2051, the projected flows are low enough that the capital cost and project requirements cannot be justified. As such, this strategy is not evaluated further.

Table 8.8: Long List of Alternatives and Screening

Alternatives		Does the alternative address the Problem & Opportunity Statement?	Is the alternative technical and economically feasible?	Can the alternative be implemented without significant impacts?	Summary
1	Do Nothing	✗	✗	✗	Not an acceptable solution and is not evaluated further.
2	Limit Growth	✗	✓	✗	Not an acceptable solution and is not evaluated further.
3	Infiltration and Inflow Control and Reduction	✗	✓	✓	This alternative on its own is not acceptable as a complete solution. It will be recommended as a general sustainability goal.
4	Upgrade Existing WWTS	✓	✓	✓	Wastewater Collection System: <ul style="list-style-type: none"> ➤ Alternative 4A: Upgrade Existing SPS Wastewater Treatment Lagoons: <ul style="list-style-type: none"> ➤ Alternative 4B-1: Treatment Optimization via Technology ➤ Alternative 4B-2: Modified Lagoon Operation
5	Expand the Existing WWTS	✓	✗	✗	Wastewater Collection System: <ul style="list-style-type: none"> ➤ Alternative 5A: Replacement with New SPS Wastewater Treatment Lagoons: <ul style="list-style-type: none"> ➤ Alternative 5B-1: New Facultative Lagoon ➤ Alternative 5B-2: Mechanical Treatment Facility Will require land acquisition, high capital costs, permit and other requirements. Therefore, not evaluated further.

8.6 Post-Screening Results

Based on the screening above, the following alternatives did not meet the PaP statement, or were not feasible against the evaluation criteria and were not considered further:

- Alternative 1 – Do Nothing
- Alternative 2 – Limit Community Growth
- Alternative 3 – Infiltration and Inflow Control and Reduction
- Alternative 5 – Expansion of the Wastewater System

Based on the screening criteria in Section 8.5, Only Alternative 4 – *Upgrade Existing Wastewater Collection and Treatment Facilities* met the PaP statement and were determined to be feasible against the evaluation criteria.

For the wastewater collection system, the only strategy under Alternative 4 is 4A: Upgrading the Existing SPS. As such, this is proceeded with as the preferred strategy.

The strategies considered under Alternative 4 for the wastewater treatment system (lagoons) are evaluated per the MCEA based criteria established in 6.0 to determine the preferred strategy that addresses the identified constraints.

8.7 Detailed Evaluation of Post-Screened Alternative Strategies

8.7.1 Alternative 4B-1: Treatment Optimization via Technology

This alternative strategy is based on the assumption that the ACS results will require HCR discharge with more stringent effluent limits, allowing to retain the existing lagoons for storage of the flows during low flow periods in the receiving drain. This strategy comprises of upgrading the existing lagoons with wastewater treatment technologies aimed to enhance biological treatment and nutrient removal within the reduced treatment times and lower effluent limits. Two types of technologies that operate differently are assessed in the following subsections. However, additional technologies that have similar functions can be explored in the Class EA study that will have to be undertaken for approval of the WWTS's capacity expansion.

The common advantages of this alternative, irrespective of the technology used, is:

- The use of the existing lagoons is maximized and no land acquisition is needed for the upgrades; and
- Lower capital, operational (energy), and maintenance costs compared to converting to a mechanical treatment plant.

Irrespective of the effluent limits established in the new ECA, a tertiary filter system will highly likely be needed to address the existing TSS issue, especially for fall discharge due to the increased algae growth during summer months. As such, either of the technologies below will be followed by a tertiary (filter) treatment system. The recommended filter technology for the Moose Creek Lagoons is Cloth Media Surface Filtration technology which can meet effluent TP limits of 0.3 mg/L or less with low capital cost, low operational cost and complexity, and small footprint to satisfy spatial constraints. However, the actual required technology will depend on the ACS results. The estimated cost of the cloth media filters including associated facility building is approximately \$2 Million.

8.7.1.1 INTEGRATED FIXED-FILM ACTIVATED SLUDGE (IFAS)

IFAS is a type of attached growth treatment system that can be installed within the existing lagoons itself. Although several types of technologies for this treatment type exist, Entex Technologies was used to assess this option for this Master Plan. Entex's offers the WavTex EmTexile second generation moving media sheets complete with an integral aeration system. Attached biomass on the flex media sheets can treat double the effective MLSS concentration and the independently moving sheets allow for excellent oxygen and substrate transfer. Entex's Octopus floating aeration system provides fine bubble aeration for biological treatment and nutrient removal.

Advantages of this strategy includes:

- Minimal to no maintenance requirements for 20+ years of operation, except for replacement of the fine bubble disc diffusers in the aeration system;
- Ease of operation and maintenance as the system is designed to be removed from the top;
- Can increase the lagoon treatment capacity as required beyond 2051 by increasing the number of units; and
- Low carbon footprint, resilient to climate change, and low impact on environment since no additional site space is needed.

To prevent clogging of the aeration system, pre-treatment (screening removal) is recommended. Retrofitting of the influent distribution chamber to a preliminary treatment unit (housed with a bar screen) can be explored to save costs on the headworks structure.

Although fixed film technologies with much lower capital and operational costs exist, the ability of these technologies to meet both capacity deficit and effluent limits may be difficult. However, those are recommended to be explored in the Class EA if this alternative is selected as the preferred strategy for the Moose Creek WWTS upgrades.

The system is estimated to cost approximately \$2 million for the IFAS system alone. The headworks unit cost estimate is \$300,000.

8.7.1.2 SUSPENDED ATTACHED GROWTH REACTOR (SAGR)

SAGR is a patented process designed to provide nitrification (ammonia removal) in cold to moderate climates. The SAGR is a clean gravel bed with evenly distributed wastewater flow across the width of the cell, and a horizontal collection chamber at the end of the treatment zone. Linear aeration throughout the floor of the SAGR provides aerobic conditions that are required for nitrification. The gravel bed is covered with a layer of wood chips or shredded rubber tires for insulation. The SAGR system is designed based on the assumption that the discharge window is flexible to be changed from 15 days in April to more than 60 days starting in May or anytime in Fall. This is due to the fact that starting the discharge period in April reduces the SAGR efficiency due to low growth rate of nitrifiers during the cold season.

The proposed system would consist of the following processes and technologies:

- Converting the existing mechanically aerated facultative lagoons to facultative lagoons; thereby saving costs of aeration system which is typically 60% of the operational cost of lagoons.
- Retain the existing two (2) cell lagoon system for BOD and TSS removal operated in parallel. The existing alum system is to be retained for phosphorus removal.
- Implement two (2) SAGR cell for nitrification (ammonia removal), BOD, and TSS polishing following the lagoon cells. The SAGR process will also provide significant reductions in Fecal and Total Coliform; and
- Implement a new blower building to accommodate SAGR blowers.

A quotation was obtained from Nexom for the SAGR system including the potential location for the treatment cells. The cells can be installed in the area between the lagoons and Concession 8th road. Instead of a blower building, the PD blowers with weather-proof enclosures can be installed outside adjacent to the cells. The quote for the SAGR unit is \$2,300,000, which does not include construction of the basins and associated piping to and from the lagoons, upgrades to the blower building (if required), and engineering fees.

8.7.2 Alternative 4B-2: Modified Lagoon Operation

This strategy comprises of modified the lagoon's operation by incorporating conventional extended-aeration treatment (CEA) which is a type of conventional activated sludge treatment. The proposed strategy comprises of adding an extended aeration tank prior to the lagoons for biological treatment and nutrient removal. The proposed concrete tank is to

be sized to provide a minimum hydraulic retention time of 15 hours which will require a storage volume of 300 m³. The tank itself can be placed between the two lagoons at the influent side such that treated effluent can gravity discharge to the lagoons with minimal conveyance infrastructure.

This configuration will require the following unit processes:









- New headworks facility to protect the downstream aeration equipment;
- Fine bubble diffusers in the tank and associated blower(s);
- Return activated sludge (RAS) pump(s) for recycling of activated sludge from the lagoons to the tank; and
- Tertiary treatment provided by cloth media filtration prior to discharge.

Since the existing lagoons have the capacity to treat the loadings, they can be operated as facultative lagoons with no mechanical aeration treatment. This will save operational costs as aeration systems typically account for 60% of the cost in a lagoon treatment system. Cost efficient strategies for the unit processes can include:

- The existing blower building can house one positive displacement (PD) blower and the RAS pump. Only one blower and one RAS pump may be sufficient, as the CEA treatment can be brought offline for a short duration (less than a month) if the two equipment need to be shutdown for maintenance reasons; and
- The headworks facility can comprise of a screening unit inside an FRP enclosure instead of a building.

The estimated cost for this strategy is \$6 Million. This alternative strategy scores neutral to high in all categories because it is an effective and robust solution to addressing the capacity deficit issue as it not only provides significant capacity increase but also provides flexibility for treating increased flows well beyond the study horizon of 2051. Packaged CEA systems can be implemented which reduces technical requirements of the project and may also reduce the capital cost. Use of the existing assets on site (no decommissioning required) and no additional land acquisition while meeting anticipated stringent ECA effluent criteria are additional advantages of this option. Although the mechanical operation of the proposed unit processes generally has higher energy consumption relative to natural systems, the energy consumption is anticipated to be similar to Alternative 4B-1.

Table 8.9: Detailed Evaluation of Wastewater Treatment Alternatives

Evaluation Criteria	Alternative 4B-1: Upgrade Existing Lagoons	Rating	Alternative 4B-2: Modified Lagoon Operation	Rating
Technical	<ul style="list-style-type: none"> New proposed technology requires operator training and replacements after its useful life Further capacity expansion is possible through addition of more units of the type of technology selected Technologies generally have more complex operational and maintenance requirements as compared to conventional treatment systems Modifications are required within the lagoon cells which can pose construction (implementation) difficulties with large room for errors and risks. 		<ul style="list-style-type: none"> Ease of construction No complex technology/relatively simple operation Ample capacity for bypass for maintenance requirements Additional unit processes and flow cycling (RAS) that can pose operational difficulties 	
Social and Cultural	All proposed upgrades can possibly fit within the municipal property and no land acquisition is anticipated. However, potential impacts to cultural heritage resources is unknown and should be assessed per Section 6.2			
Environment	<ul style="list-style-type: none"> Depending on the technology selected, environmental impacts are anticipated if additional land is required (for e.g. areas for SAGR cells) However, generally the technologies proposed can be implemented within the existing municipal site. 		<ul style="list-style-type: none"> No land acquisition required Impacts due to construction can be addressed by industry recommended construction practices 	
Economic	Capital costs lower than Alternative 4B-2		Larger capital costs but can be offset by lifecycle costs of Alternative 4B-1	
Overall Score and Summary	At the Master Planning stage, both options are viable and can meet the long-term goals of the Township. Both options will require a Class B study that must include an Assimilative Capacity Study which can then assist further in selecting the preferred strategy between the two.			

8.8 Preferred Wastewater Servicing Strategy

8.8.1 Wastewater Collection System

The proposed works include replacing the existing pumps with two larger pumps that are sized for the 2051 peak flows. The pumps are to be operated in duty/standby mode so that the firm capacity of the SPSs will equal the design peak flows which aligns with MECP guidelines. The following methodology was used to check the SPS's existing wet well configuration to ensure it can be modified for the increased rated capacity:

- A system curve from the SPS to its destination (transition manhole for Finch and lagoons for Crysler) was generated for the forecasted peaks;
- Maximum velocity in the existing discharge forcemains were checked to ensure it is below 3.0 m/s; and
- The control elevation details of the pumps obtained from SPS drawings was used to estimate the required active volume of the wet well to limit the pump start frequency to a maximum of 10 times an hour. Although the MECP Guidelines recommend wet well active volumes to be sized for 6 pump starts an hour only, pump motors below 50hp can accommodate 15 starts/hour per most well-known pump manufacturers including Xylem Inc. and Sulzer. Operating levels under the following two scenarios were created:
 - › Scenario 1: using the *Lag Pump Start* level as the duty pump start level and the *Low Water Level Alarm* level as the duty pump stop level; and
 - › Scenario 2: Using the *Lead Pump Start* level as the duty pump start level and the *Stop All Pumps* level as the duty pump stop level.

An example of the two scenarios is depicted in Figure 8.7. It must be noted that both scenarios above consider only constant speed pumps. With VFD pumps, it maybe possible to further increase the rated capacity of the SPS to accommodate peak flows beyond the study horizon of 2051 of this Master Plan.

For both scenarios above, the analysis shows that both SPSs have the capacity to provide the active working volume with the current pumps operating levels while maintaining the maximum pump start frequency to 10 times an hour for the future peak flows. Therefore, this strategy allows the SPS to be re-rated to service future growth (and possibly beyond) with minimal capital costs (only related to pumps upgrades) while improving operation and maintenance conditions. Additionally, this project is classified as Exempt under MCEA Process. As such, this strategy scores high in all four categories and is proceeded with as the preferred strategy for the collection system.

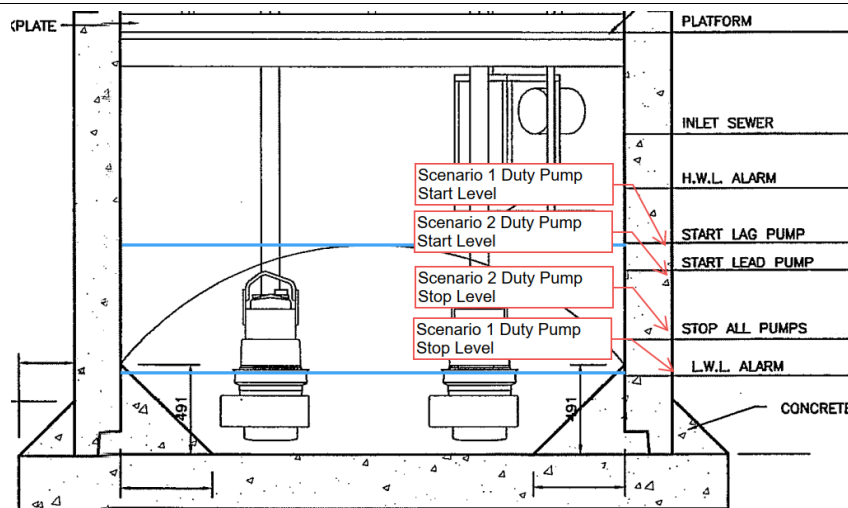


Figure 8.7: SPS Pump Layout and Operating Level

The evaluation above shows that the preferred water supply expansion strategy is Alternative 4A-1: *Upgrade Existing SPS* via retrofitting the existing layout and equipment.

However, due to the large flow variation between minimum and maximum flows (average dry weather flow is 1.2 L/s and average peak flow is 8 L/s), sizing constant speed pumps and optimizing the wet well for the 2051 peak flows will increase the residence time of the wastewater in the mains and wet well during low flow periods. This will increase the H₂S issues that are causing structural deterioration in the transition chamber and its connecting upstream pipes. Additionally, average pump life is 15 years, therefore, it should be sized for the flow range forecasted within its lifespan. As such, the following two options can be implemented:

- Installing VFD pumps which can be sized to operate for a wide range of flows while minimizing the active volume (storage volume) within the wet well and subsequently the discharge pipes and downstream infrastructure. VFD pumps can meet the 10 starts per hour within a smaller active volume than constant speed pumps which will prevent stagnant flows; OR
- Size constant speed pumps for up to year 2040 (approximately 16L/s), after which they can be replaced with upsized pumps.

8.8.2 Wastewater Treatment System

The preferred strategy shows that Alternative 4B-1: *Treatment Optimization via Technology* is the preferred strategy for the for Moose Creek lagoon capacity expansion. However, it

must be noted that both alternatives are viable options and the preferred strategy will greatly depend on the Class EA study and the ACS results. This is because Alternative 4B-2: *Modified Lagoon Operation* is a conservative approach that uses tried-and-tested wastewater treatment processes, with ample flexibility and experience in modifying for further expansion. Having one semi-mechanical plant within North Stormont also gives the Township flexibility in the future for communal wastewater treatment.

Evaluation of both technologies (SAGR vs IFAS) to select one best suited for the Township's needs is to be completed in the required Class EA study. Figure 8.8 provides the configuration of the wastewater treatment system for both technology options.

The timeline of the upgrades (post tertiary filtration installation) can possibly be delayed if flow per capita is reduced as detailed in Section 8.5.2 (which will reduce the growth rate of the flows). A phased approach to the upgrades can be implemented, with the installation of the tertiary filter system as the first upgrade to address the existing TSS issues. The subsequent upgrades will depend on the ACS results, following which the long-list alternative strategies can be re-assessed and the costs re-estimated in the Schedule C Class EA based on the updated information. As part of the Class EA, a technical cultural heritage study is to be undertaken to assess the impact of the increased effluent discharge volumes, as detailed in Section 6.2.

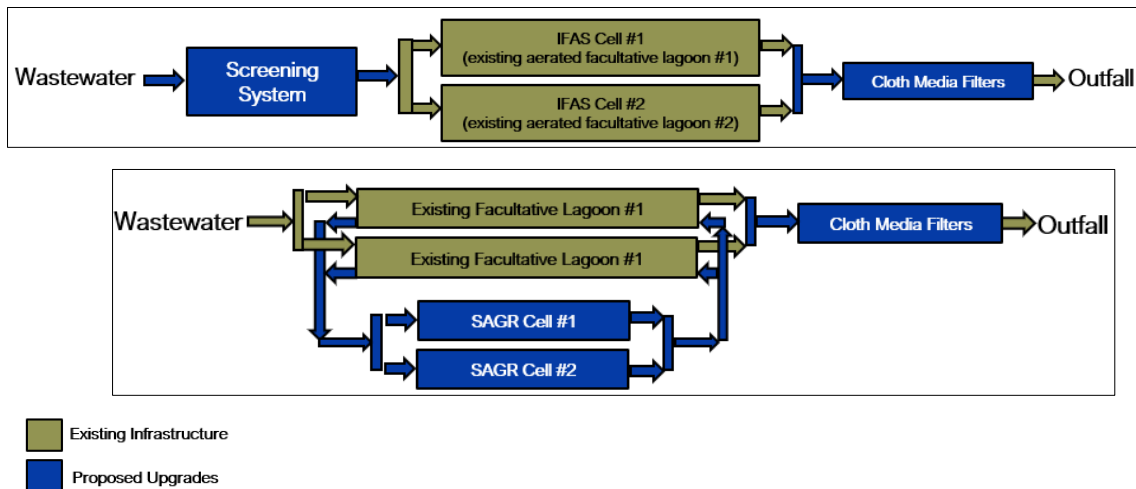


Figure 8.8: Technology Options for Proposed Moose Creek Wastewater Lagoon Upgrades

8.8.3 Implementation Timeline

At the current wastewater flow growth rate, the anticipated timeline required for the recommendations is provided in Table 8.10.

Table 8.10: Wastewater Master Plan Recommendations Implementation Timeline

Work	0 – 5 years (2025 – 2030)	5 – 10 years (2030- 2035)	10 – 15 years (2035- 2040)	15-20 years (2040- 2045)	20-25 years (2045- 2050)
SPS Upgrades (Design and Construction)	<ul style="list-style-type: none"> • Chrysler • Moose Creek 	Finch			
Lagoons Expansion ECA (and ACS)	Moose Creek				
Lagoons Expansion Design	Moose Creek				
Lagoons Expansion Construction		Moose Creek			

1: Assuming that hydrogeological investigation for Replacement Well #3 will incorporate the recommendations in Section 7.8.4, such that firm capacity of DWS can meet the projected MDD to 2051.

8.8.4 Chrysler Sensitivity Analysis

Figure 8.1 is developed following the same methodology from Section 7.8.6 and illustrates the population growth under the proposed rate in the planned development. As seen, at the growth rate of 30 housing units annually, Chrysler's lagoon capacity will be exceeded by year 2040. Capacity expansion (80% of rated capacity) will be triggered by year 2030 (within next 5 years).

8.8.5 Climate Change Resiliency

Since all calculations followed the MECP guidelines which provide a conservative analysis that account for possible scenarios of larger flows due to climate change, the recommendations provided in the Wastewater Master Plan account incorporate the safety factors needed to accommodate the larger flows. Wastewater collection and treatment systems are vulnerable to excessive infiltration and inflows that can occur due to climate change and, as such, are recommended to upsized when flows reach 80% of its rated capacity limit.

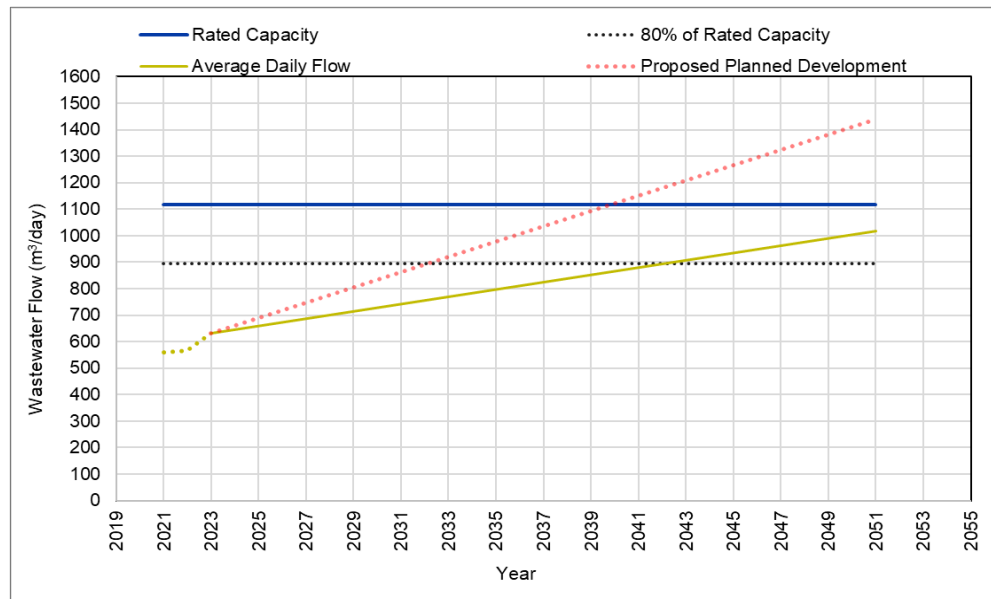


Figure 8.1: Crysler Projected ADF under Proposed Planned Development Population Growth Rate Scenario

9.0 CAPITAL PLAN

The following capital plan provides a breakdown of the recommended projects, the corresponding MCEA schedule and the estimated Level 5 cost analysis in 2024 dollar figures (not accounting for future inflation).

Note: All \$ values are a reflection of the 2024 CAD \$ valuation

Project Title/Description	Project Schedule	2025-2030	2030-2035	2035-2040	2040-2045	2045-2051
Finch						
Water						
Water Meters		\$ 250,000				
New Well in Same Wellfield	Schedule B					
Well Exploration (Incl. Hydrogeological Investigation)		\$ 500,000				
Project Implementation				\$ 700,000		
New Water Storage Reservoir	Exempt				\$ 2,000,000	
Wastewater						
Upgrade Existing Sewage Pumping Station	Exempt			\$ 140,000		\$ 200,000
Total		\$ 750,000		\$ 840,000	\$ 2,000,000	\$ 200,000
Crysler						
Water						
		\$ 450,000				
New Well in Same Wellfield	Schedule B					
Well Exploration (Incl. Hydrogeological Investigation)			\$ 600,000			
Project Implementation				\$ 1,300,000		
New Above-Grade Storage Tank	Exempt			\$ 810,000		
Wastewater						
Upgrade Existing Sewage Pumping Stations	Exempt	\$ 140,000			\$ 250,000	
Total		\$ 590,000	\$ 600,000	\$ 2,110,000	\$ 250,000	
Moose Creek						
Water						
Water Meters		\$ 260,000				
New Water Storage Reservoir	Exempt		\$ 1,500,000			
Wastewater						
Upgrade Existing Sewage Pumping Station	Exempt	\$ 140,000			\$ 250,000	
Lagoon Capacity Expansion (IFAS)	Schedule C					
Class EA		\$ 210,000				
Engineering Design and Contract Administration		\$ 850,000				
Construction		\$ 5,700,000				
Total		\$ 7,160,000	\$ 1,500,000		\$ 250,000	
Total		\$ 8,500,000	\$ 2,100,000	\$ 3,000,000	\$ 2,500,000	\$ 200,000

10.0 REFERENCES

- Metcalfe & Eddy. (2014). *Wastewater Engineering Treatment and Resource Recovery*. New York: McGraw-Hill Education.
- Ontario Ministry of Environment, Conservation and Parks. (2023, Nov 30). Design Guidelines for Sewage Works. Ontario, Canada.
- Ontario Ministry of Environment, Conservation and Parks. (2023, May 11). Design Guidelines for Drinking-Water Systems. Ontario, Canada.
- The Counties of SDG. (2018). *Official Plan for United Counties of Stormont, Dundas and Glengarry*. The Counties of SDG.
- R. V. Anderson Associates Limited. (2022, May 16). *Villages of Crysler, Finch and Moose Creek – Water & Sewage Reserve Study Update*. R. V. Anderson Associates Limited.
- Watson & Associates Economists Ltd. (2023). *United Counties of Stormont, Dundas and Glengarry Growth Management Strategy Report*. Watson & Associates Economists Ltd.

APPENDIX A

Referenced Legislation and Policies



1.0 PROVINCIAL ACTS AND POLICIES

1.1 Provincial Acts and Regulations

1.1.1 Environmental Assessment Act (EAA)

The EAA is the legislation which allows the MCEA process to be followed by municipalities so that they can plan, design, construct, maintain, rehabilitate, and/or retire municipal road, water, wastewater, and transit projects. This allows these projects to proceed without having to obtain project-specific approval under the EAA provided that the MEA Class EA process is followed.

1.1.2 Environmental Protection Act (EPA)

The intent of the EPA is to protect the Ontario environment from an “adverse effect” which is defined as the following:

- Impairment of quality of the natural environment for any use that can be made of it;
- Injury or damage to property or to plant or animal life;
- Harm or material discomfort to any person;
- An adverse effect on the health of any person;
- Impairment of the safety of any person;
- Rendering any property or plant or animal life unfit for human use;
- Loss of enjoyment of normal use of property; and
- Interference with the normal conduct of business.

Regulations from the Act which may impact or have bearing on the operation or construction of water and wastewater systems are shown below in Table 1.1.

Table 1.1: EPA Regulations Impacting Water, Wastewater and Stormwater Systems

Regulation	Title
O. Reg. 53/24	General and Transitional Matters
O. Reg. 406/19	On-Site and Excess Soil Management
O. Reg. 208/19	Environmental Compliance Approval in Respect of Sewage Works
O. Reg. 1/17	Registrations Under Part ii.2 of the Act - Activities Requiring Assessment of Air Emissions

O. Reg. 351/12	Registrations Under Part ii.2 of the Act - Waste Management Systems
O. Reg. 255/11	Applications for Environmental Compliance Approvals
O. Reg. 224/07	Spill Prevention and Contingency Plans
O. Reg. 222/07	Environmental Penalties
O. Reg. 153/04	Records of Site Condition - Part xv.1 of the Act
O. Reg. 675/98	Classification And Exemption of Spills and Reporting of Discharges
O. Reg. 524/98	Environmental Compliance Approvals - Exemptions from Section 9 of the Act
O. Reg. 232/98	Landfilling Sites
O. Reg. 206/97	Waste Disposal Sites, Waste Management Systems And Sewage Works Subject to Approval Under or Exempt from the Environmental Assessment
O. Reg. 101/94	Recycling and Composting of Municipal Waste
R.R.O. 1990, Reg. 360	Spills

1.1.3 Ontario Water Resources Act (OWRA)

The purpose of this Act is to provide for the conservation, protection, and management of Ontario's waters and for their efficient and sustainable use, to promote Ontario's long-term environmental, social, and economic well-being.

1.1.4 Water Opportunities and Water Conservation Act (WCA)

The 2010 WCA under the Water Taking and Transfer (OWRA) Regulation (O. Reg 387/04) is one of the various provincial land use planning statutes, policies, and plans that set out direction relating to water conservation and efficiency best management practices. The Act aims to conserve and sustain water resources for present and future generations by:

- a) Foster innovative water, wastewater and stormwater technologies, services and practices in the private and public sectors; and
- b) Create opportunities for economic development and clean-technology jobs in Ontario.

One measure managed by the regulation comprises of the *Province of Ontario – 2021 Water Conservation and Efficiency Program* which assesses water conservation measures in accordance with best water management standards and practices. Ontario has a range of programs to manage water supply and demand, such as establishing water efficiency

standards, and requires local planning authorities to protect water quality and promote green infrastructure. Water takers are required to monitor and report data annually.

1.1.5 Nutrient Management Act (NMA)

The General Regulation Ontario Regulation (O. Reg.) 267/03 made under the Nutrient Management Act governs the requirements for land application of biosolids, e.g., seasonal storage requirement. For wastewater treatment plants (WWTP) which were not phased in under the *Nutrient Management Act*, requirements are set out in the Environmental Compliance Approval (ECA), based on the MECP and the Ministry of Agriculture, Food and Rural Affairs (OMAFRA) Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land, 1996. Part II of the NMA requires the Municipality to ensure that their biosolids land application program meets the requirements of the Act and complies with the requirements for land application for non-agricultural source materials (NASM).

1.1.6 Safe Drinking Water Act (SDWA)

The *Safe Drinking Water Act* was implemented following the Walkerton Water Crisis (2000), at which time there was no formal regulation of drinking water treatment, operation, record taking, and remedial actions for unsafe drinking water in Ontario. Ontario Regulation 170 (O. Reg 170) under the SDWA provides the requirement for municipal water supply systems which includes reference to the Ten State Standards and the MECP document titled *Procedure for Disinfection of Drinking Water*. The MECP *Design Guidelines for Drinking-Water Systems* (Water Guidelines) is used for the analysis of the Municipality's supply and distribution systems; but it is understood that the guidelines do allow some individual municipal discretion on items such as municipal fire protection. The guidelines will be the foundational basis for risk assessments, supply and distribution planning, fire flow determination, design system pressures and calculation of future water supply.

Schedule 22 and Section 11 of O. Reg 170/03 under the Act requires that an annual status summary report on the performance of the Municipality's Drinking Water System (DWS) be provided to the Council and be reviewed per the guidelines established by the MECP.

The sampling, testing, monitoring, and pumping of the water supplied by the wells must follow the requirements set by Permits to Take Water (PTTW), the Municipal Drinking Water License, and Drinking Water Works Permit for the subject systems. The Sustainable Water and Sewage Systems Act (SWSS) (2002) indicates that regulated entities are required to submit a report detailing the provision of water services and wastewater services including an inventory of and management plan for the associated infrastructure.

1.1.7 Clean Water Act (CWA)

The CWA is a law enacted by the Legislative Assembly of Ontario, Canada to protect existing and future sources of drinking water. The CWA (2006) is a major part of the Ontario government's commitment to ensuring that every Ontarian has access to safe drinking water. Key regulations enabling the work and authority for Source Water Protection are:

- O. Reg. 284/07 Source Protection Areas and Regions delineates source water protection areas within the province;
- O. Reg. 287/07 General mandates the terms of reference and requirements for source water protection plans; and
- O. Reg. 288/07 Source Protection Committees under the CWA constitutes and mandates Source Protection Committees.

When municipal raw water demonstrates an exceedance of an Ontario Drinking Water Quality standard or increasing trend of a contaminant of concern, the CWA allows local Source Protection Authorities (SPAs) to designate municipal wellhead protection areas as Issues Contributing Areas (ICA). An ICA delineates an area where certain current or past land use have or are likely inferred to contribute to the elevated contaminant concentration in raw water supplies.

1.1.8 Sustainable Water and Sewage Systems Act

The *Sustainable Water and Sewage Systems Act* (SWSSA) mandates that all municipalities (regulated entity) operate their water and wastewater systems on a full cost recovery basis where the system cost is borne by the system users. Every municipality that provides water services to the public has to prepare and approve a plan describing how the entity intends to pay the full cost of providing those services. This Act has no enabling regulations and was implemented following the Walkerton Water Crisis which occurred in 2000.

1.1.9 Provincial Policy Statement 2020

The Provincial Policy Statement (PPS), 2020 (Ministry of Municipal Affairs and Housing [MMAH], 2020) sets out the Provincial policy direction for land use planning in Ontario, including managing growth, using and managing natural resources, protecting the environment, and ensuring public health and safety.

The vision of the policy recognizes that Ontario's long-term prosperity, environmental health and social well-being depend on promoting efficient land use and development patterns. Efficient development patterns also optimize the use of land, resources and public investment in infrastructure and public service facilities and support sustainability by

promoting strong, liveable, healthy and resilient communities, protecting the environment and public health and safety, and facilitating economic growth.

The policies indicate that settlement areas shall be the focus of growth and development, and that municipalities plan for a full range of and mix of land uses and housing options to meet current and future needs over a 25 year planning horizon. Land use patterns within settlement areas shall be based on densities and a mix of land uses which:

- Efficiently use land and resources;
- Are appropriate for, and efficiently use, the infrastructure and public service facilities which are planned or available; and
- Avoid the need for their unjustified and/or uneconomical expansion.

In addition, the importance of intensification and redevelopment is noted as follows:

- a) *“Maintain at all times the ability to accommodate residential growth for a minimum of 15 years through residential intensification and redevelopment and, if necessary, lands which are designated and available for residential development; and*
- b) *Maintain at all times where new development is to occur, land with servicing capacity sufficient to provide at least a three-year supply of residential units available through lands suitably zoned to facilitate residential intensification and redevelopment, and land in draft approved and registered plans.”*

The PPS policies require that planning for sewage and water services shall:

- c) Accommodate forecasted growth in a manner that promotes the efficient use and optimization of:
 - i. Existing municipal sewage services and municipal water services,
 - ii. Existing private communal sewage services and private communal water services, where municipal sewage services and municipal water services are not available or feasible;
- d) Ensure these systems are provided in a manner that:
 - i. Can be sustained by the water resources upon which such services rely,
 - ii. Prepares for the impacts of a changing climate,
 - iii. Is feasible, affordable and financially viable over their lifecycle,
 - iv. Protects human health and safety, and the natural environment;
- e) Promote water conservation and water use efficiency;
- f) Integrate servicing and land use considerations at all stages of the planning process; and

g) Be in accordance with the servicing hierarchy in the policies

All planning decisions and Official Plan policies (including those related to infrastructure) are required to be 'consistent with' the policies of the PPS (2020). As such, the North Stormont W WW Master Plan will be developed on the premises of the above described PPS policies.

1.1.10 Ontario Heritage Act

The *Ontario Heritage Act* mandates the criteria and process for identifying provincial heritage properties and the standards for their protection, maintenance, use and disposal. The Act is generated through consultation with the affected public and ministries.

Provincial Heritage Property examples:

- Courthouses and jails
- Monuments and cemeteries
- Historic gardens and forts
- Provincial parks and cultural heritage landscapes
- Power generating stations and provincial mental health facilities
- Bridges, museums and historic houses

1.2 Federal Acts and Regulations

1.2.1 Federal Fisheries Act

The *Fisheries Act* (Government of Canada 1985) is administered by Fisheries and Oceans Canada (DFO) and provides a framework for the proper management and control of fisheries as well as the conservation and protection of fish and fish habitat, including the prevention of pollution. In June of 2019, Canada modernized the *Fisheries Act*; the new provisions and stronger protections aim to better support the sustainability of Canada's fish and fish habitat for future generations. In particular, Section 34.4 prohibits any work, undertaking or activity (other than fishing) that results in the death of fish; Section 35.1 prohibits the harmful alteration, disruption, or destruction of fish habitat (HADD); and Section 36 prohibits the deposit of deleterious substances.

The *Fisheries Act* requires that projects avoid causing death of fish or HADD of fish habitat unless authorized by DFO or a designated representative. Proponents are responsible for planning and implementing works, undertakings or activities in a manner that avoids harmful impacts to fish and fish habitat. Should proponents believe that their work, undertaking or activity will result in harmful impacts to fish and fish habitat, a Request for Review (RFR)

must be submitted, and the DFO will work with them to assess the risk and provide advice and guidance on how to comply with the *Fisheries Act*.

1.2.2 Species at Risk Act

At a federal level, Species at Risk (SAR) designations for species occurring in Canada are initiated by the completion of a comprehensive Status Report by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC). If approved by the federal Minister of the Environment, species are added to the federal List of Wildlife Species at Risk (Government of Canada 2002).

Species that are included on Schedule 1 as Endangered or Threatened are afforded both individual and critical habitat protection on federal lands under the Species at Risk Act (SARA). On private or provincially owned lands, only aquatic species listed as Endangered, Threatened or Extirpated are protected under SARA, unless ordered by the Governor in Council.

1.2.3 Endangered Species Act

At the provincial level, SAR and their habitats are protected under the *Endangered Species Act* (ESA, Government of Ontario 2007) which is administered by the Ministry of Environment, Conservation and Parks (MECP). SAR designations for species in Ontario are initiated by the completion of a comprehensive Status Report by the Committee on the Status of Species at Risk in Ontario (COSSARO), and if approved by the provincial Minister of the Environment, Conservation and Parks, species are added to the Species at Risk in Ontario (SARO) List (O. Reg. 230/08) under the ESA. Section 9(1) of the ESA, 2007 prohibits the killing, harming, harassment, capture, taking, possession, transport, collection, buying, selling, leasing, trading, or offering to buy, sell, lease or trade species listed as Extirpated, Endangered, or Threatened on the SARO List. Section 10(1) prohibits damaging or destroying habitat of Endangered or Threatened species on the SARO List and may apply to Extirpated species through special regulations. General habitat protection applies to all Endangered and Threatened species, with some species having 'categorized habitat', which protects areas within specific distances from known records. Some SAR are afforded a more precise habitat protection through a habitat regulation (regulated habitat), as identified in Ontario Regulation 242/08. Species designated as Special Concern are not protected under the Act.

The ESA, 2007 includes provisions for permits under Section 17(2)(c) that would otherwise contravene the Act. Projects which propose impacts to SAR or their habitat would require a permit or other process (e.g., registration) to proceed without contravening the Act.

APPENDIX B
Stakeholder Consultation Log



Appendix B-1

Public Contact Register



Township of North Stormont
Master Servicing Plan
Mailing List

First Name	Last Name	Title	Company Name/Additional Name	Location	City/Town	Province	Postal Code	Email	Date Sent	Notice of Commencement Comments	Not Received	Date Sent	Notice of PIC#1 Comments	Not Received	Date Sent	Notice of Final Report Comments	Not Received
Andre	Brisson	Chief Building Official	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	abrisson@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Charles	Shane	Councillor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	cshane@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Adrian	Bugelli	Councillor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	abugelli@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Alison	McDonald	Councillor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	amcdonald@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Steve	Densham	Deputy Mayor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	sdensham@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Nancy-Ann	Gauthier	Fire Chief	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	ngauthier@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
François	Landry	Mayor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	flandry@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Blake	Henderson	Planning Department	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	bhenderson@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Elliot	Keller	Public Works Superintendent	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	ekeller@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
		Public Works Supervisor	Township of North Stormont	15 Rue Union St.	Benwick	Ontario	K0C 1K0	ekeller@northstormont.ca	30-May-24			05-Sep-24			02-Jan-25		
Nolan	Quinn	MPP	United Counties of Stormont, Dundas, and Glenqarry	120 Second Street West (Time Square)	Cornwall	Ontario	K6J 1G5	nquinn@pc-csis.ca	30-May-24			05-Sep-24			02-Jan-25		
			Ontario Clean Water Agency												02-Jan-25		
General Contact			Crown-Indigenous Relations and Northern Affairs Canada					aschic.infopubs.aandc@canada.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Environment and Climate Change Canada - Environmental Assessment					ec_enviroinfo.ec@canada.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Transport Canada	200 Sacré-Coeur Blvd 4500-Range St	Gatineau Quebec	QC	K1A 0H3 K2H 6A6	ec_enviroinfo.ec@canada.ca Environ@tc.gc.ca	30-May-24	Email removed as per email from Transport Canada		05-Sep-24			02-Jan-25		
		Environmental Assessments Branch, Eastern Region	Ministry of the Environment, Conservation and Parks (MECP)					enroffication.eregion@ontario.ca	30-May-24			05-Sep-24	Undelivered - check email - rejected	Updated email address, please res	02-Jan-25	Comments received from Erika Leclerc, included in Appendix B-5	
Karla	Barboza	Team Lead, Heritage (Acting)	Ministry of Citizenship and Multiculturalism (MCM)	56 Wellesley Street West, 14th Floor	Toronto	Ontario	M7A 2R9	karla.barboza@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Deborah	Cope	Manager (Acting), Culture Policy and Services Unit	Ministry of Tourism, Culture and Sport	438 University Avenue, 6th Floor	Toronto	Ontario	M5G 2K8	deborah.cope@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Adam	Worth	Kemptville Work Centre District Manager (Acting), Kemptville Work Centre	Ministry of Natural Resources and Forestry	Unit 1, 10 Campus Drive	Kemptville	Ontario	K0G 1J0	adworth@ec.gc.ca	30-May-24			05-Sep-24			02-Jan-25		
Laurie	Miller	Regional Director, Municipal Services Division	Ministry of Natural Resources and Forestry	Unit 1, 10 Campus Drive	Kemptville	Ontario	K0G 1J0	laurie.miller@ontario.ca	30-May-24	Updated email address as per email		05-Sep-24			02-Jan-25		
Michael	Elms	Manager, Community Planning & Development	Ministry of Municipal Affairs & Housing Ontario Public Service	777 Bay Street, 17 th floor	Toronto	Ontario	M7A 2J3	Michael.Elms@Ontario.ca	30-May-24	Updated email address as per email, and removed Laurie Miller from circulation list		05-Sep-24			02-Jan-25		
Damien	Schaefer	Manager, Community Planning & Development	Ministry of Municipal Affairs & Housing Ontario Public Service	777 Bay Street, 17 th floor	Toronto	Ontario	M7A 2J3	damien.schaefer@ontario.ca	30-May-24	Request that ADM Sean Fraser be removed from different email circulations that your organization generates – I was wondering if global change can be made to swap out ADM Fraser for laurie.miller@ontario.ca? Laurie is now in the role (Regional Director, Municipal Services Division) that ADM Fraser once occupied		NO SEND			02-Jan-25		
Sean	Fraser	Assistant Deputy Minister, Planning & Growth	Ministry of Municipal Affairs and Housing	College Park 16th Floor, 777 Bay St.	Toronto	Ontario	M7A 2J3	sean.fraser@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Cheryl	Davis	Manager (Acting), Environmental Policy Office	Ministry of Transportation	3rd Floor, 159 Sir William Hearst Ave.	Toronto	Ontario	M3W 0B7	cheryl.davis@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Lise	Chabot	Director, Indigenous Relations Branch	Ministry of Indigenous Affairs	Suite 400, 160 Bloor St. E.	Toronto	Ontario	M7A 2E6	lise.chabot@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Carolina	Tomes	Director, Infrastructure Policy Branch	Ministry of Infrastructure	College Park 4th Floor, Suite 425, 777 Bay St.	Toronto	Ontario	M5G 2E5	carolina.tomes@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
Cale	Selby	Director, Environmental Management Branch	Ministry of Agriculture, Food, and Rural Affairs	Ontario Government Building, 3rd Floor S, 1 Stone Road W	Guelph	Ontario	N1G 4Y2	cale.selby@ontario.ca	30-May-24			05-Sep-24			02-Jan-25		
												05-Sep-24			02-Jan-25	Response received from Laura Crites and included in Appendix B-5	
Sandra	Mancini	Managing Director - Conservation Lands Management and Outreach	South Nation Conservation Authority	38 Victoria Street	Finch	Ontario	K0C 1K0	sfm@nation.on.ca	30-May-24	The contacts for this project will be Ronda Boutz and myself (Sandra Mancini).		05-Sep-24			02-Jan-25		
Ronda	Boutz	Managing Director - Planning and Development	South Nation Conservation Authority	38 Victoria Street	Finch	Ontario	K0C 1K0	Rboutz@nation.on.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Upper Canada District School Board	225 Central Ave W	Brookville	Ontario	K6V 5K1	rsales@ucdsb.on.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Upper Canada District School Board	225 Central Ave W	Brookville	Ontario	K6V 5K1	susan.sutcliffe@ucdsb.on.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Catholic District School Board of Eastern Ontario	2755 Highway 43	Kemptville	Ontario	K0G 1J0	mar@cdsbeo.on.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact			Moose Creek Chamber of Commerce					mccchambercommerce@gmail.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Customer Relations	Hydro One	483 Bay Street, South Tower, 8th Floor Reception	Toronto	Ontario	M5G 1P5	CustomerRelations@HydroOne.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Secondary Land Use	Hydro One	483 Bay Street, South Tower, 8th Floor Reception	Toronto	Ontario	M5G 1P5	SecondaryLandUse@HydroOne.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Enbridge Gas	Enbridge Gas					enr@enbridge.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	Canadian Pacific Railway (CPR)					CPassenger@cp.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	CN Rail					PublicWorks@cp.ca	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	VIA Rail	65 Front Street W M5J 1E6	Toronto	Ontario	M5J 1E6	via@via.com	30-May-24			05-Sep-24			02-Jan-25		
Angela	Taylor	Implementation Manager	Bell Canada	136 Bayfield Street, 2nd Floor	Barrie	ON	L4M 3B1	service@bell.ca	30-May-24			05-Sep-24			02-Jan-25		
Tony	Dominquez	System Planner / Designer	Rogers Cable					angela.taylor@rogers.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	Trans-Northern Pipelines Inc.	45 Vogel Road, Suite 310	Richmond Hill	ON	L4B 3P6	tony.dominquez@tnpi.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	Trans-Canada Pipelines Ltd.	442 Brent Street, Suite 204	Burlington	Ontario	L7R 3G4	tp@transcanadapipelines.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Public Works	GFL Environmental	17125 Lafleche Road	Moose Creek	Ontario	K0A 1M0	gfl@gflenv.com	30-May-24			05-Sep-24			02-Jan-25		
General Contact		Consultation Office	Algonquins of Ontario	31 Riverside Drive, Suite 101	Pembroke	Ontario	K8A 6R6	atgonquins@algonquin.com	30-May-24	MECP response not received yet		05-Sep-24			02-Jan-25		
General Contact		Contact Office	Township of North Dundas	636 St. Lawrence Street, P.O. Box 489	Winchester	Ontario	K0C 2K0	info@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
Tony	Fraser	Mayor	Township of North Dundas	571 St. Lawrence Street	Winchester	Ontario	K0C 2K0	tfraser@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
Theresa	Bergeron	Deputy Mayor	Township of North Dundas	10714 County Road 3	South Mountain	Ontario	K0E 1W0	tbergeron@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
John	Lennox	Councillor	Township of North Dundas	571 St. Lawrence Street	Winchester	Ontario	K0C 2K0	jlennox@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
Gary	Annable	Councillor	Township of North Dundas	544 Louise Street	Winchester	Ontario	K0C 2K0	gannable@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
Matthew	Uthig	Councillor	Township of North Dundas	546 Henderson Cres	Winchester	Ontario	K0C 2K0	muthig@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
Jamie	Cheney	Director - Transportation and Drainage Superintendent	Township of North Dundas	571 St. Lawrence Street	Winchester	Ontario	K0C 2K0	jcheney@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
										On maternity leave and will be returning Monday November 4th 2024. During this time I will be periodically checking and responding to emails.							
Danielle	Ward	Director - Environmental Services	Township of North Dundas	571 St. Lawrence Street	Winchester	Ontario	K0C 2K0	dward@northdundas.com	30-May-24			05-Sep-24			02-Jan-25		
										For urgent matters related to infrastructure- water, sewer, stormwater, flooding, water/sewer connections- please call 613-774-2105 for immediate assistance, or contact dreneud@northdundas.com. For urgent matters related to landfill operations such as hours, household hazardous waste dates, accepted materials, collection delays, and requests for new pick ups please call 613-774-5157 or contact rdurant@northdundas.com							
Marc	Leasult	Director - Public works	The Nation Municipality	3248 County Road 9	Fournier	Ontario	K0B 1G0	mleasult@nationmun.ca	30-May-24			05-Sep-24			02-Jan-25		
Nicholas	Pigeon	Director - Water and Wastewater	The Nation Municipality	3248 County Road 9	Fournier	Ontario	K0B 1G0	npigeon@nationmun.ca	30-May-24			05-Sep-24			02-Jan-25		
p	leroux	Director	Municipality of Casselman	751 St. Jean Street P.O. box 710								05-Sep-24			02-Jan-25		
					Casselman	Ontario	K0A 1M0	pleroux@nationmun.ca	30-May-24			05-Sep-24			02-Jan-25		
										Mrs. Josée Bitard has retired as of May 3rd, 2024. For business related to the clerk's office, please send an email to clerk@nationmun.ca. For business addressed to the Chief Administrative Officer, please send an email to alerc@nationmun.ca							

Appendix B-2

Public Contact Notices





TOWNSHIP OF
**NORTH
STORMONT** 
A good place to grow

NOTICE OF STUDY COMMENCEMENT

VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK, WATER AND WASTEWATER MASTER SERVICING PLAN FOR THE TOWNSHIP OF NORTH STORMONT

The Township of North Stormont has initiated a Water and Wastewater Master Servicing Plan (MSP) for the future growth in the villages of Crysler, Finch, and Moose Creek. The Township of North Stormont is completing this Water and Wastewater MSP to identify high level strategies for existing and future water and wastewater servicing in the Township.

The preferred servicing strategies will:

- Support service area growth to 2051 while considering opportunities for operational flexibility and redundancy, as well as for optimization and improvement of the existing systems;
- Provide resiliency to potential future changes to regulatory and climatic conditions;
- Balance environmental, social, technical, and economic considerations.

The project is being completed as an **Approach No. 1 Master Plan** project under the framework of the **Municipal Class Environmental Assessment** (October 2000, amended in 2007, 2011, 2015, & 2023), which is approved under the Ontario Environmental Assessment Act. The study will address the requirements of Phase 1 and part of Phase 2 of the Municipal Class EA process.

Consultation with the public, Indigenous Communities, regulator agencies, and stakeholder groups is a key element of a Municipal Class EA study. To facilitate this, a Public Information Centre (PIC) is planned over the course of the study to gather input on potential servicing solutions and provide an opportunity to discuss concerns and issues with the project team. Interested stakeholders are encouraged to bring comments and concerns to the Township at any time during this process.

If you have any questions or comments regarding the study, or wish to be added to the project contact list to receive notices, please contact a member of the project team:

Craig Calder
CAO/Clerk
Township of North Stormont
15 Union Street
Berwick, ON K0C 1G0
613-984-2821 ext. 223
ccalder@northstormont.ca

Natasha Lee, P.Eng.
Project Manager
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8
416-497-8600 ext. 1231
nlee@rvanderson.com

This notice first issued May 24, 2024



Outlook

R226348-20240530-Notice of Commencement & PIC- W-WW MSP for the Township of North Stormont

From Carol Derrick <cderrick@rvanderson.com>**Date** Thu 5/30/2024 1:25 PM**Cc** Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>**Bcc** abrisson@northstormont.ca <abrisson@northstormont.ca>; cshane@northstormont.ca <cshane@northstormont.ca>; abugelli@northstormont.ca <abugelli@northstormont.ca>; amcdonald@northstormont.ca <amcdonald@northstormont.ca>; sdenham@northstormont.ca <sdenham@northstormont.ca>; firechief@northstormont.ca <firechief@northstormont.ca>; flandry@northstormont.ca <flandry@northstormont.ca>; planning@northstormont.ca <planning@northstormont.ca>; bhenderson@northstormont.ca <bhenderson@northstormont.ca>; ekeller@northstormont.ca <ekeller@northstormont.ca>; nolan.quinn@pc.ola.org <nolan.quinn@pc.ola.org>; aadnc.infopubs.aandc@canada.ca <aadnc.infopubs.aandc@canada.ca>; ec.enviroinfo.ec@canada.ca <ec.enviroinfo.ec@canada.ca>; EnviroOnt@tc.gc.ca <EnviroOnt@tc.gc.ca>; eanotification.ereqion@onlario.ca <eanotification.ereqion@onlario.ca>; Barboza, Karla (MHSTCI) <karla.barboza@ontario.ca>; deborah.cope@ontario.ca <deborah.cope@ontario.ca>; shipra.vyas@ontario.ca <shipra.vyas@ontario.ca>; kemptville-kingston.mnrf@ontario.ca <kemptville-kingston.mnrf@ontario.ca>; adam.worth@ontario.ca <adam.worth@ontario.ca>

1 attachment (515 KB)

R226348-20240530- Notice of Study Commencement.pdf;

On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

Encls: Notice of Commencement



Outlook

R226348-20240530-Region-Notice of Commencement & PIC- W-WW MSP for the Township of North Stormont

From Carol Derrick <cderrick@rvanderson.com>**Date** Thu 5/30/2024 3:12 PM**To** eanotification.eregion@ontario.ca <eanotification.eregion@ontario.ca>

2 attachments (637 KB)

R226348-20240530- Notice of Study Commencement.pdf; Project Initiation Form (PIF).xlsx;

On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng

Project Manager

NLee@rvanderson.com

(416) 497-8600 ext. 1231

Encls: Notice of Commencement



NOTICE OF PUBLIC INFORMATION CENTRE #1

VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK WATER AND WASTEWATER MASTER SERVICING PLAN FOR THE TOWNSHIP OF NORTH STORMONT

The Township of North Stormont has initiated a Water and Wastewater Master Servicing Plan (MSP) for the future growth in the villages of Crysler, Finch, and Moose Creek. The Township of North Stormont is completing this Water and Wastewater MSP to identify high level strategies for existing and future water and wastewater servicing in the Township.

The preferred servicing strategies will:

- Support service area growth to 2051 while considering opportunities for operational flexibility and redundancy, as well as for optimization and improvement of the existing systems;
- Provide resiliency to potential future changes to regulatory and climatic conditions;
- Balance environmental, social, technical, and economic considerations.

The project is being completed as an **Approach No. 1 Master Plan** project under the framework of the **Municipal Class Environmental Assessment** (October 2000, amended in 2007, 2011, 2015, & 2023), which is approved under the Ontario Environmental Assessment Act. The study will address the requirements of Phase 1 and part of Phase 2 of the Municipal Class EA process.

How do I Participate?

We are hosting Public Information Centre #1 to report on the progress of the study and provide members of the public with an opportunity to provide comments prior to its finalization. The Public Information Centre will be hosted in person and will include presentation boards and the opportunity for the public to ask questions of the project team.

When: Tuesday, September 17, 2024, from 6:00 – 9:00 p.m.

Where: Moose Creek Recreational Hall

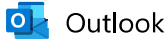
How: In-person.

The presentation boards from the meeting will be posted on the project webpage following the meeting: <https://www.northstormont.ca/>.

If you have any questions or comments regarding the study, or wish to be added to the project contact list to receive notices, please contact a member of the project team:

Craig Calder CAO/Clerk Township of North Stormont 15 Union Street Berwick, ON K0C 1G0 613-984-2821 ext. 223 ccalder@northstormont.ca	Trevor Kealey, P.Eng. Project Director R.V. Anderson Associates Limited 2001 Sheppard Avenue East, Suite 300 Toronto, ON M2J 4Z8 613-226-1844 ext. 3230 tkealey@rvanderson.com
---	---

This notice first issued September 2nd, 2024



Outlook

R226348-20240905-Notice of Public Information Centre #1 - W-WW MSP for the Township of North Stormont

From Carol Derrick <cderrick@rvanderson.com>**Date** Thu 9/5/2024 10:09 AM**Cc** Trevor Kealey <tkealey@rvanderson.com>; Darika Sharma <DSharma@rvanderson.com>; Samson Tso <stso@rvanderson.com>; Sarah Molnarova <smolnarova@rvanderson.com>

1 attachment (92 KB)

226348-20240828-North Stormont MSP-Notice of PIC - Final.pdf;

On behalf of the Township of North Stormont, please see attached Notice of Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Trevor Kealey, P.Eng.
Project Director
tkealey@rvanderson.com
(416) 497-8600 ext. 3230

Encls: Notice of Public Information Centre #1

Appendix B-3

Public Information Centre





THE TOWNSHIP OF NORTH STORMONT
VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK
WATER AND WASTEWATER MASTER SERVICING PLAN
Public Information Session # 1
September 17, 2024

COMMENT SHEET

SIGN-IN SHEET

~~ADDITIONAL COMMENTS:~~

NAME	email
JOHN OGILVIE	ogilvie.john@gmail.com
Ryan Villeneuve	ryan_villeneuve@hotmail.com
STEVE DENSHAM	SDENSHAM@NORTHSTORMONT.CA
Frank Thiorob	francois.Thiorob@gmail.com
RICHARD THEORET	2161 VALLEY ST richy@ontarioeast.net
Shelagh McRae	16791 County Rd 15
Gregor McRae	16791 County Rd 15
Francois Landry	15194 County Rd 9
Alison McDonald	alisonjane.mcdonald@gmail.com

Public Information Centre

North Stormont Water and Wastewater Master Plan

Township of North Stormont Municipal Office
15 Rue Union St., P.O. Box 99 Berwick, ON. K0C

Tuesday, September 17, 2024
Open House from 6:00 – 9:00 P.M.



Welcome!

The Township of North Stormont welcomes you to this Public Information Centre (PIC) so that we can share study objectives, findings to date, alternative solutions and next steps.

Please review the material and provide us with any comments you may have. Your input is important to the Class Environmental Assessment process. Staff are available to answer your questions and receive your comments. Comment sheets are also available for you to fill out.

Thank you for attending this Public Information Centre

Please sign in



What is the purpose of this Public Information Centre?



To present an overview of the North Stormont Water and Wastewater Master Plan (WWWMP)



To provide an overview of the:

- MSS and Municipal Class Environmental Assessment (Class EA) Process.
- Existing and forecasted populations & demands in the Study Area.



To present and gather your feedback on:

- Problem and Opportunity Statement;
- List of alternatives;
- Evaluation of alternatives; and
- Next steps in the process.



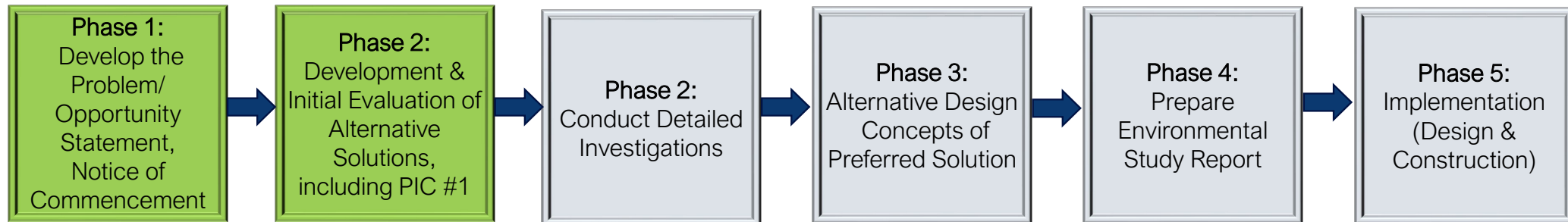
What is the purpose of this Master Servicing Study?

- The Township is undertaking the Master Plan study under the Municipal Class Environmental Assessment (Class EA) framework, as approved under the Ontario Environmental Assessment Act.
- The WWWMP will follow Approach #1 (high level study) under the master planning framework of the Municipal Class EA process. Certain projects may require additional study in the future to comply with environmental assessment requirements.
- This study focuses on municipal services in the villages of Finch, Crysler, and Moose Creek, in line with the Township's Growth Management Strategy (GMS).
- The objectives of the WWWMP are to:
 - Determine the water and wastewater infrastructure needs;
 - Develop immediate and long-term servicing strategies to meet those needs; and
 - Establish an MCEA based criteria to evaluate the strategies and select one that meets the Township's long-term goals.



Municipal Class EA Process

This WWWMP will complete **Phase 1** and a portion of **Phase 2** of the environmental assessment process. Any Schedule B or C projects resulting from this Master Plan will require additional investigations or study to fulfill Class EA requirements.



We are here!

Current WWWMP Project

Schedule B Class EA

(e.g. water storage, pumping station, etc.)

Schedule C Class EA

(e.g. wastewater treatment plant capacity increase, etc.)



Problem and Opportunity Statement

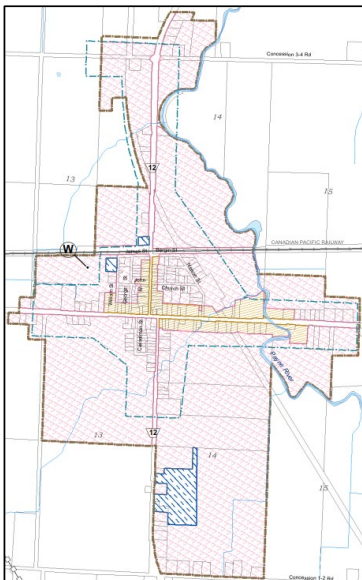
To accommodate growth to the year of 2051, the Water & Wastewater Master Plan will identify key improvements to the existing water and wastewater infrastructure to service its current and future serviced population.

The study will analyze existing infrastructure and determine how best to accommodate the future needs of the community. The Township is prioritizing solutions that comply with regulations and planning policies, while taking into consideration feedback from stakeholders.

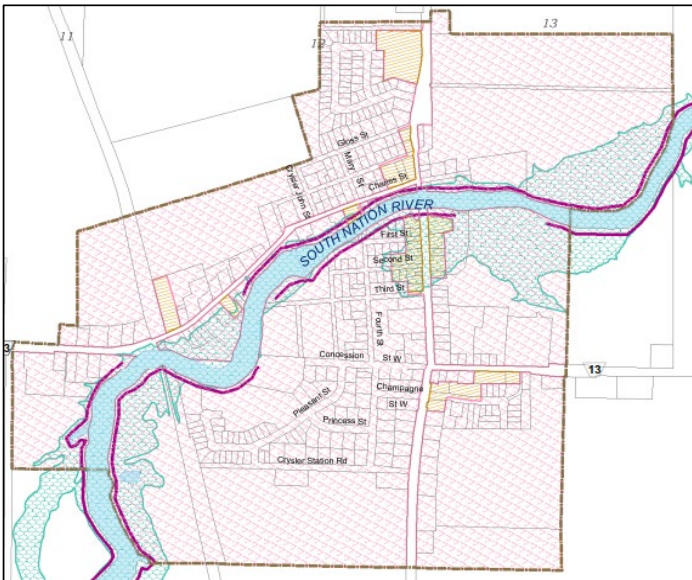
Financial viability, technical feasibility and social and environmental responsibility will also be considered. The plan will be implemented to address immediate, intermediate and long-term goals.



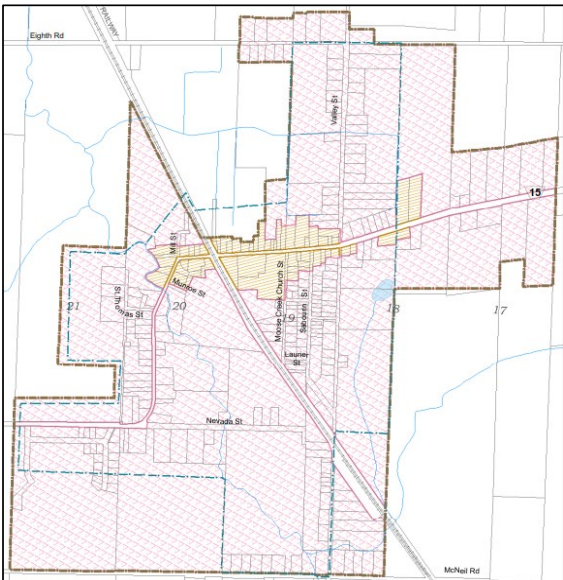
Study Areas and Population Forecast per GMS Report



Finch



Cryslar



Moose Creek

Population Growth (2023 – 2051)	Village Year	Finch	Cryslar	Moose Creek
	2023	671	1,215	680
	2051	1,119	2,120	1,128



Approach to Development and Evaluation of Alternatives

Alternative solutions were developed for each of the system components listed below.



Water System:

- Water Supply
- Water Storage



Wastewater System:

- Wastewater Collection
- Wastewater Treatment

- When planning for future infrastructure needs, it is important to start planning ahead of reaching 100% of capacity. In this case, planning and implementation of the expansion should occur when the demand reaches 80% of capacity.
- For each system component, a long list of alternative solutions were first screened to establish a short list of reasonable and feasible alternatives.
- The shortlisted alternatives were then evaluated in greater detail to identify the recommended solution.



Long List Screening Criteria

The long list of alternatives identified for each system component was screened against pass or fail criteria to confirm feasibility before proceeding to a detailed evaluation.

An alternative must pass all three (3) criteria to proceed to detailed evaluation.

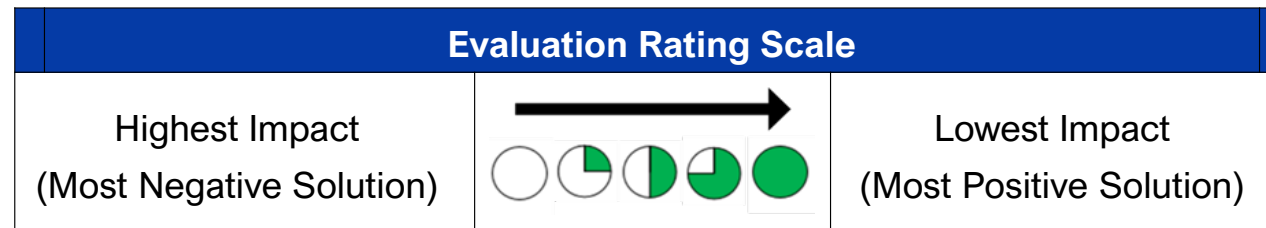
Screening Criteria	Example Considerations
Does the Alternative Address the Problem and Opportunity Statement?	<ul style="list-style-type: none">• Does the alternative address the considerations listed in the Problem and Opportunity Statement?• Does the alternative support planned growth to 2051?• Does the alternative meet local, regional, and provincial planning policies?
Is the Alternative Feasible and Reasonable?	<ul style="list-style-type: none">• Is the alternative technically feasible and reasonable?• Can the alternative be constructed for a reasonable cost?• Does the alternative provide a long-term solution?
Can the Alternative be implemented without significant impacts?	<ul style="list-style-type: none">• Are the ecological, social, or other impacts anticipated to be unreasonably high relative to other alternatives?



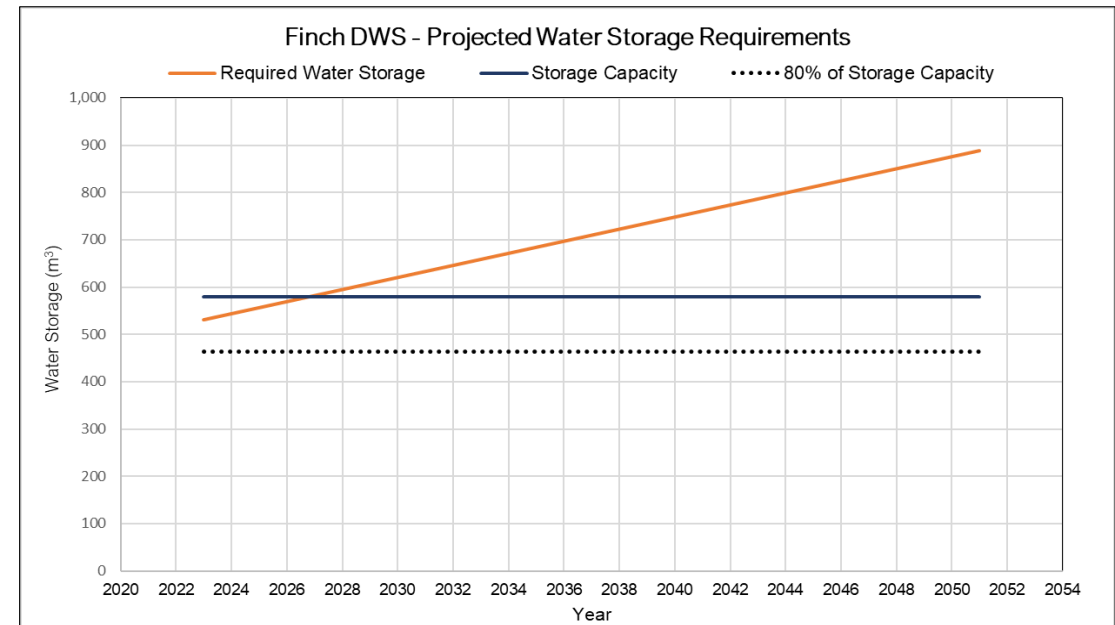
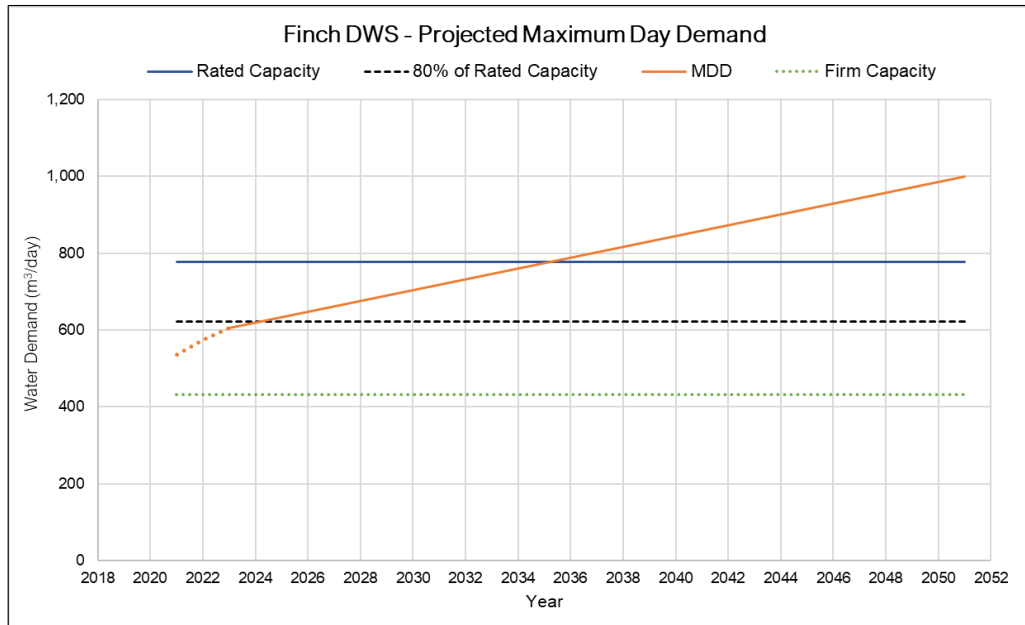
Short List Evaluation Approach and Criteria

The alternatives for each system component were evaluated using the criteria and rating scale below.

Category	General Criteria to Assess Impact	
Technical	<ul style="list-style-type: none"> Constructability Improvements to operation 	<ul style="list-style-type: none"> Infrastructure required Approval requirements
Social and Cultural	<ul style="list-style-type: none"> Public requirements 	<ul style="list-style-type: none"> Impact to build heritage and cultural heritage landscapes
Environmental	<ul style="list-style-type: none"> Impact to aquatic and terrestrial species and habitat Impact to surface water quantity and quality 	<ul style="list-style-type: none"> Climate change resiliency
Economic	<ul style="list-style-type: none"> Capital costs Operational and maintenance costs 	<ul style="list-style-type: none"> User value



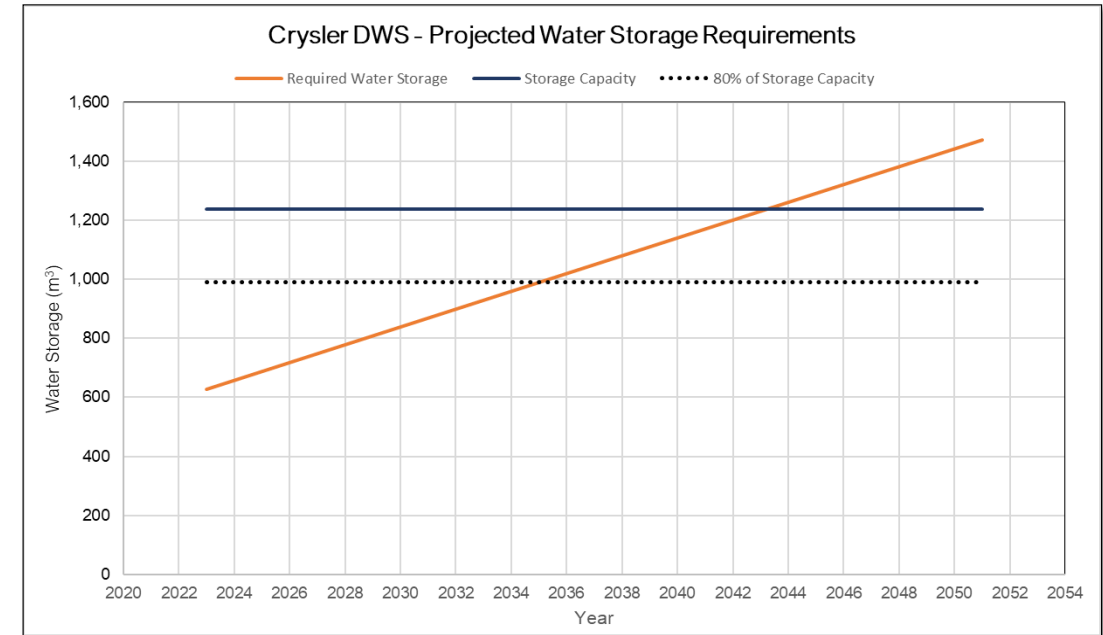
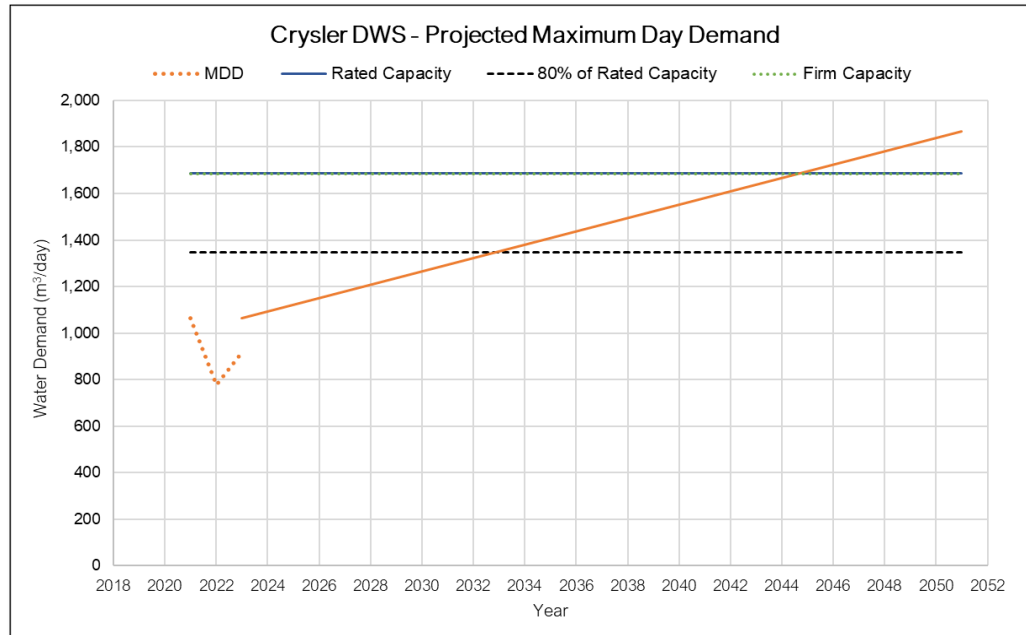
Finch Water System: Current and Future Capacity Requirements



Water Supply: The current rated capacity of the water supply system is 778 m³/day. Water demand will reach 80% of system's rated capacity by approximately 2024. By 2051, a capacity of approximately 1,000 m³/day would be required. Additional water supply capacity would be required to service growth beyond 2035.

Water Storage: The current rated capacity of the elevated water storage tank is 580 m³. As of 2024, storage required is already beyond 80% of its rated capacity. By 2051, a capacity of approximately 888 m³ would be required. Additional water storage capacity would be required to service growth beyond 2027.

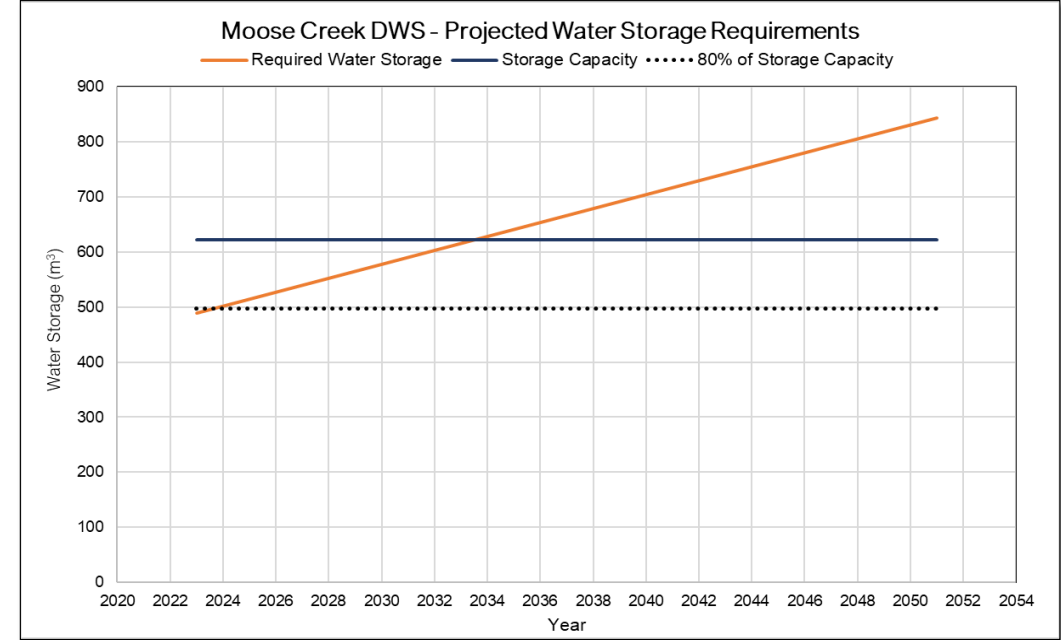
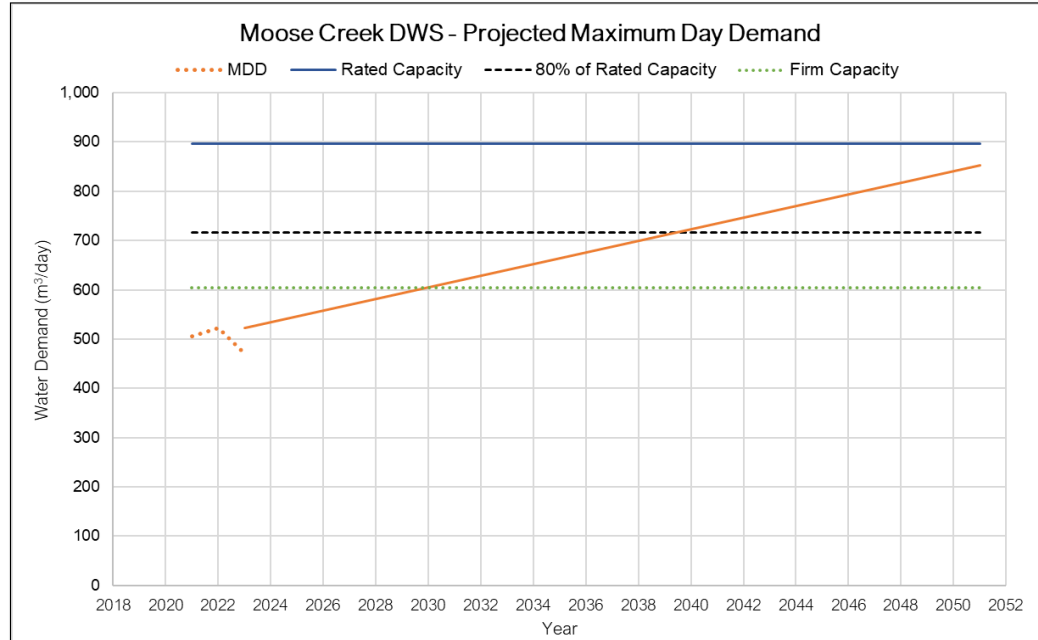
Crysler Water System: Current and Future Capacity Requirements



Water Supply: The current rated capacity of the water supply system is 1,685 m³/day. Water demand will reach 80% of system's rated capacity by approximately 2033. By 2051, a capacity of approximately 1,867 m³/day would be required. Additional water supply capacity would be required to service growth beyond 2044.

Water Storage: The current rated capacity of the elevated water storage tank is 1,238 m³. The water storage tank would reach 80% of its rated capacity by approximately 2035. By 2051, a capacity of approximately 1,473 m³ would be required. Additional water storage capacity would be required to service growth beyond 2042.

Moose Creek Water System: Current and Future Capacity Requirements













Water Supply: The current firm capacity of the water supply system is 600 m³/day. Water demand will reach 80% of system rated capacity by approximately 2039. By 2051, a capacity of approximately 853 m³/day would be required. Additional water supply capacity would be required to ensure water security by 2030.

Water Storage: The current rated capacity of the elevated water storage tank is 622 m³. As of 2024, storage required is already beyond 80% of its rated capacity. By 2051, a capacity of approximately 842 m³ would be required. Additional water storage capacity would be required to service growth beyond 2033.

Water Supply and Storage: Long List of Alternatives and Screening

Alternatives		Does the alternative address the Problem & Opportunity Statement?	Is the alternative technical and economically feasible?	Can the alternative be implemented without significant impacts?	Summary
1	Do Nothing	✗	✗	✗	Not an acceptable solution and is not evaluated further.
2	Limit Growth	✗	✓	✗	Not an acceptable solution and is not evaluated further.
3	Reduce Water Demand (Increase Water Conservation)	✗	✓	✓	This alternative on its own is not acceptable as a complete solution. It will be recommended as a general sustainability goal.
4	Expand Existing Water Supply and Storage System	✓	✓	✓	Water Supply: <ul style="list-style-type: none"> ➤ Alternative 4A-1: A new well to be drilled at the same location as the existing wells; or ➤ Alternative 4A-2: A new well in a new wellfield. Water Storage: <ul style="list-style-type: none"> ➤ Alternative 4B-1: New water storage tower/standpipe in addition to the existing storage facility; or ➤ Alternative 4B-2: New at-grade water storage tank at the WTP in addition to the existing storage facility
5	Obtain Water from Another Source	✓	✗	✗	Will require land acquisition, high capital costs, permit and other requirements. Therefore, not evaluated further.

Water Supply: Short List and Detailed Evaluation Summary

Evaluation Criteria	Alternative 4A-1: New Well in Same Wellfield	Rating	Alternative 4A -2: New Well in New Wellfield	Rating
Technical	<ul style="list-style-type: none"> Allows reduction in the hydrogeological investigations needed Current treatment processes can be upsized within the same building Schedule B Class EA study required 		<ul style="list-style-type: none"> New WTP required at new wellfield location New trunk main to be installed up to the connection point of the existing watermain Schedule C Class EA study required 	
Social and Cultural	<ul style="list-style-type: none"> Would not require land acquisition Potential impacts Known archaeological and cultural conditions 		<ul style="list-style-type: none"> Would require land acquisition Ensures water security and redundancy 	
Environment	<ul style="list-style-type: none"> Implementation within known and previously investigated environmental conditions 		<ul style="list-style-type: none"> Unknown environmental conditions until specific site is selected 	
Economic	<ul style="list-style-type: none"> Minimizes cost of conveying raw water to WTP Lower capital cost than Alternative 4A-2 		<ul style="list-style-type: none"> Large capital cost (cost associated with additional infrastructure and complexity of investigation prior to construction) 	
Overall Score and Summary	Recommended Alternative		Not recommended due to large capital cost and complex implementation	

Water Supply Recommended Solution

Preferred water supply expansion strategy is Alternative 4A: *New Well in the Same Wellfield.*











- **Finch:**
 - Firm capacity expansion from 777 m³/day (existing) to 1000 m³/day (year 2051).
 - Recommended timeline:
 - Well Exploration: 2023-2030;
 - Project Implementation: 2031-2036
- **Crysler:**
 - Firm capacity expansion from 1,685 m³/day to 1,760 m³/day.
 - Recommended timeline:
 - Well Exploration: 2037-2042;
 - Project Implementation: 2043-2048
- **Moose Creek:**
 - Firm capacity expansion from 600 m³/day to 850 m³/day.
 - Recommended timeline: 2025-2030

Next Steps:

- Hydrogeological investigations required to confirm water quantity & quality, and to confirm ability to supply required future capacity;
- Preparation of a mitigation procedure or plan to address ss identified water security risks in the investigation; and
- Implement water meters to ensure sustainable water usage that may significantly impact timeline of the capacity exceedances.



Water Storage: Short List and Detailed Evaluation Summary

Evaluation Criteria	4B-1: New Elevated Storage Facility	Rating	4B-2: New At-Grade Storage Facility	Rating
Technical	<ul style="list-style-type: none"> Requires construction of a new booster pumping station Re-chlorination required Reduced pumping requirements in distribution system due to head from standpipe 		<ul style="list-style-type: none"> Recirculation of water through tank to prevent unused water residual Potential for increased chlorine contact time Relocation of high lift pumps 	
Social and Cultural	<ul style="list-style-type: none"> Requires land acquisition Ensures water security and redundancy Aesthetic impacts to surrounding properties Schedule B Study required 		<ul style="list-style-type: none"> No land acquisition required Prevent unused water residual Known archaeological and cultural conditions 	
Environment	<ul style="list-style-type: none"> Unknown environmental conditions until specific site is selected 		<ul style="list-style-type: none"> Construction on known site 	
Economic	<ul style="list-style-type: none"> Large capital cost (entirely new standpipe) 		<ul style="list-style-type: none"> Lower capital cost (underground storage tank) than Alternative 4B-1 	
Overall Score and Summary	Not recommended due to large capital cost, requirement for land acquisition and		Recommended Alternative	

Water Storage Recommended Solution

Preferred water storage expansion strategy is Alternative 4B-2: *New At-Grade Storage Facility*.

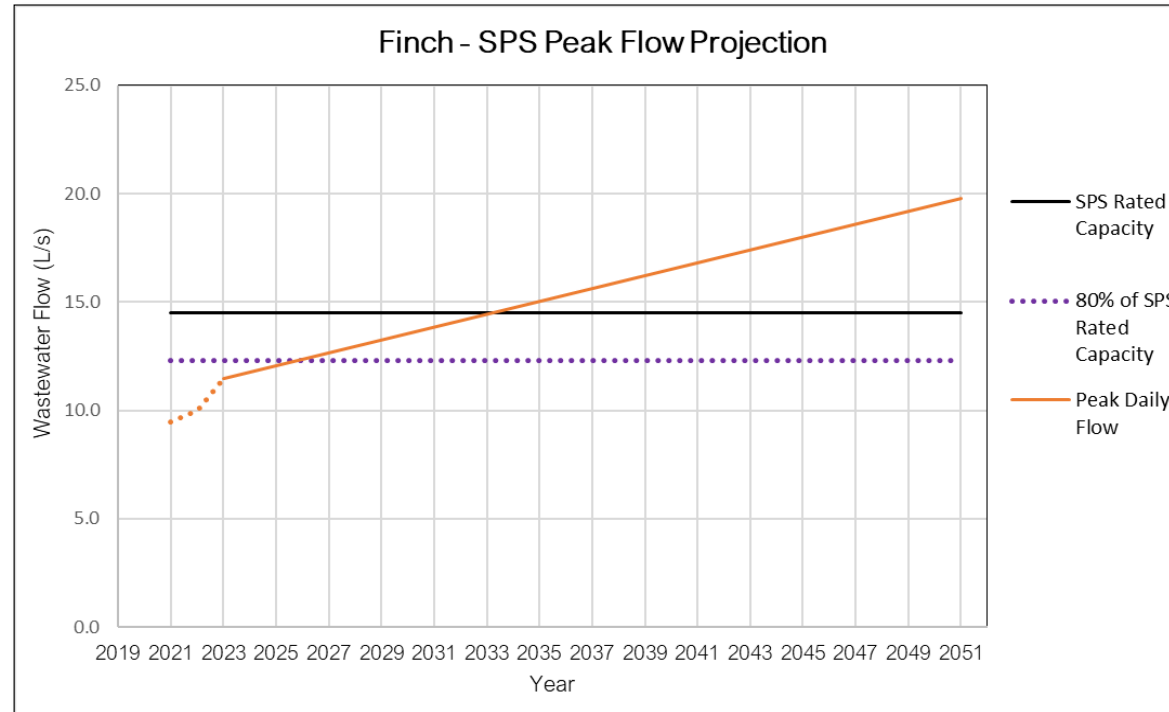
- **Finch:**
 - Storage volume expansion from 580 m³ (existing) to 900 m³ (year 2051).
 - Recommended timeline: 2025-2030
- **Crysler:**
 - Storage volume expansion from 1,238 m³ to 1,500 m³.
 - Recommended timeline: 2037-2042
- **Moose Creek:**
 - Storage volume expansion from 622 m³ to 842 m³.
 - Recommended timeline: 2031-2036

Next Steps:

- Proceed to detailed design; and
- Implementation of selected strategy within the recommended timeline.



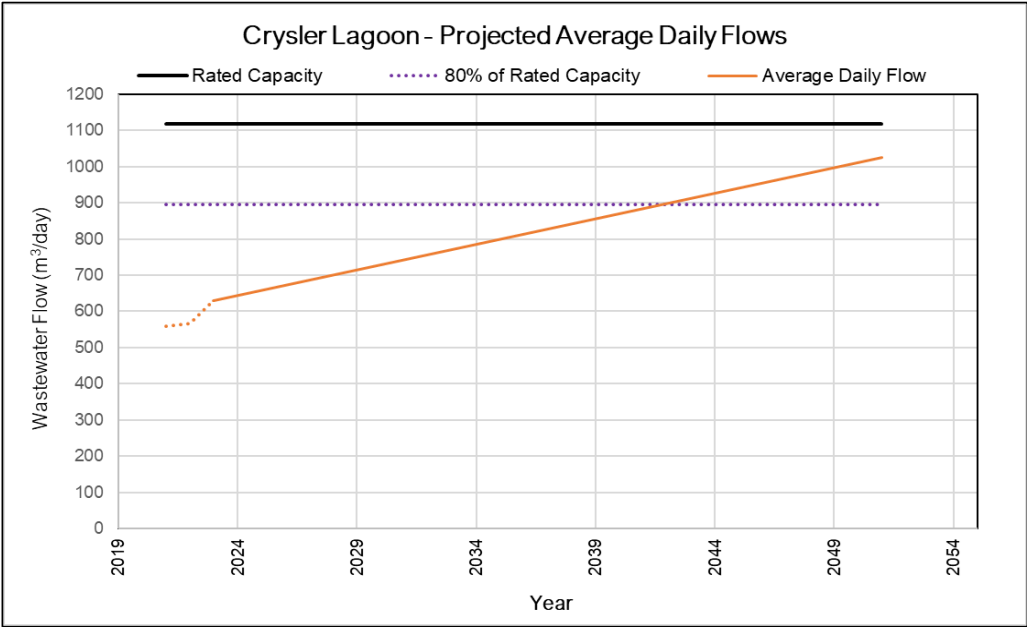
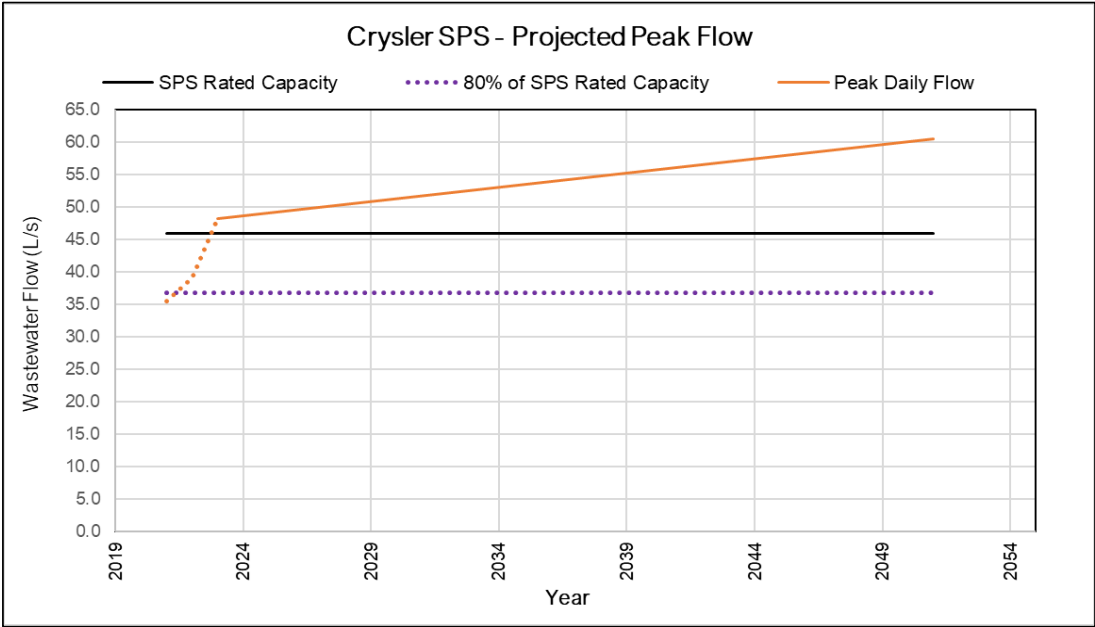
Finch Wastewater System: Current and Future Capacity Requirements



Wastewater Collection System (SPS): Finch's wastewater peak flow projected to 2051 is estimated at 20 L/s. Rated capacity of Sewage Pumping Station (SPS) is estimated to be exceeded by year 2033.



Crysler Wastewater System: Current and Future Capacity Requirements



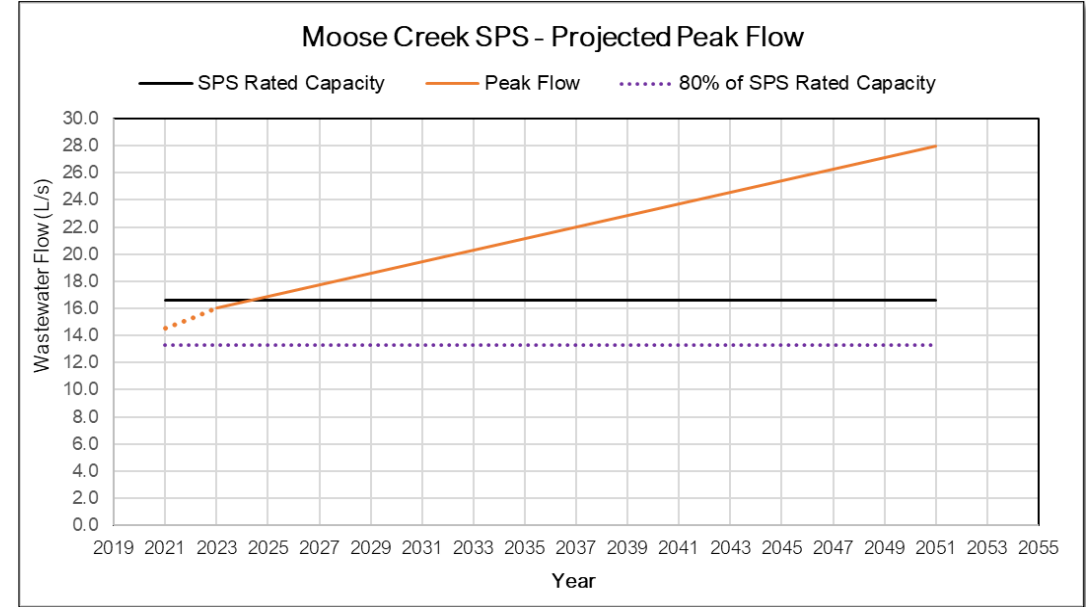
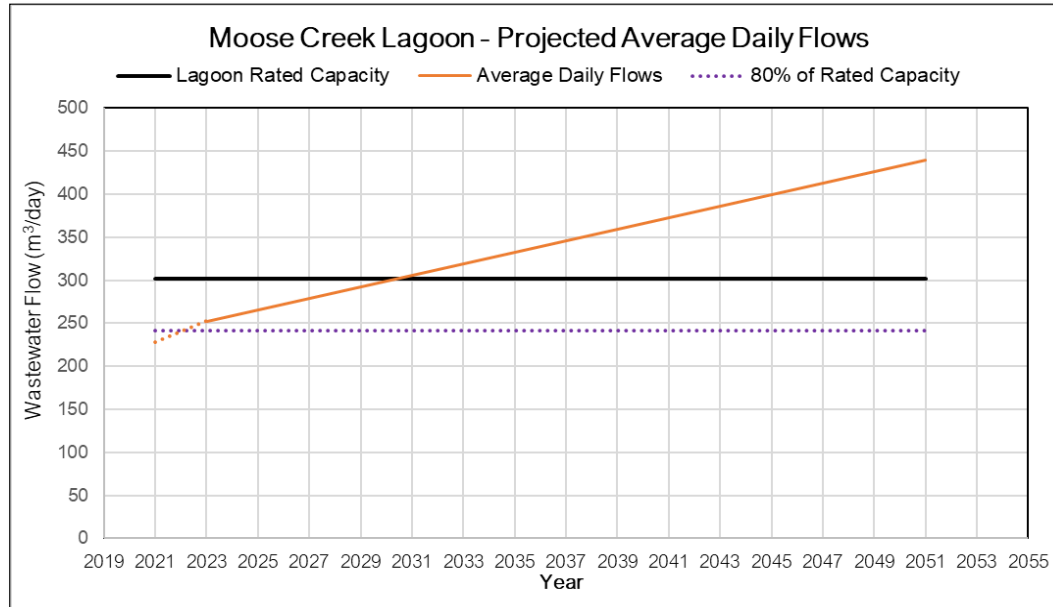
Wastewater Collection System (SPS): Chrysler's wastewater peak flow projected to 2051 is estimated at 60.6 L/s. The SPS's rated capacity is already in exceedance as of 2024. With the G&E Subdivision development, the committed capacity of the Chrysler WWTS is at 81% as of 2023.



Wastewater Treatment Lagoons: Existing lagoons have capacity to provide treatment up to 2051. However, 80% of rated capacity is reached by year 2040.



Moose Creek Wastewater System: Current and Future Capacity Requirements



Wastewater Collection System (SPS): Moose Creek's wastewater peak flow projected to 2051 is estimated at 29 L/s. The SPS's rated capacity is already in exceedance as of 2024.











Wastewater Treatment Lagoons: Average Daily Flow (ADF) in 2051 is 439 m³/day. Lagoon capacity will be exceeded by year 2030. The ADF is already beyond 80% of the rated capacity as of 2024. Effluent TSS concentration has exceeded the permit limit in 2021 and 2022.



Wastewater Collection and Treatment: Long List of Alternatives and Screening

Alternatives		Does the alternative address the Problem & Opportunity Statement?	Is the alternative technical and economically feasible?	Can the alternative be implemented without significant impacts?	Summary
1	Do Nothing	✗	✗	✗	Not an acceptable solution and is not evaluated further.
2	Limit Growth	✗	✓	✗	Not an acceptable solution and is not evaluated further.
3	Infiltration and Inflow Control and Reduction;	✗	✓	✓	This alternative on its own is not acceptable as a complete solution. It will be recommended as a general sustainability goal.
4	Upgrade Existing WWTS	✓	✓	✓	Wastewater Collection System: ➤ Alternative 4A: Upgrade Existing SPS Wastewater Treatment Lagoons: ➤ Alternative 4B-1: Lagoon Treatment Optimization ➤ Alternative 4B-2: Modified Lagoon Operation
5	Expand the Existing WWTS	✓	✗	✗	Wastewater Collection System: ➤ Alternative 5A: New SPS (replace existing) Wastewater Treatment Lagoons: ➤ Alternative 5B-1: New Facultative Lagoon ➤ Alternative 5B-2: Mechanical Treatment Facility Will require land acquisition, high capital costs, permit and other requirements. Therefore, not evaluated further.

Wastewater Collection System: Short List and Detailed Evaluation Summary

Evaluation Criteria	4: Upgrade Existing SPS	Rating	5: Construct a New SPS	Rating
Technical	<ul style="list-style-type: none"> Replacement of existing pumps with larger ones Converting pumps from lead/lag to duty/standby 		<ul style="list-style-type: none"> Construction of new sewage pumping station Existing SPS decommissioned after completed construction 	
Social and Cultural	<ul style="list-style-type: none"> Exempt under MCEA Process; no further study required 		<ul style="list-style-type: none"> Requires land acquisition Schedule B Study required 	
Environment	<ul style="list-style-type: none"> Replacement within existing building 		<ul style="list-style-type: none"> Unknown environmental conditions until specific site is selected 	
Economic	<ul style="list-style-type: none"> Minimal capital costs (only related to pump upgrades) 		<ul style="list-style-type: none"> Large capital costs (entirely new sewage pumping station with new pumps) 	
Overall Score and Summary	Recommended Alternative		Not recommended due to large capital costs	

Wastewater Collection System: Recommended Solution

Collection System: Preferred SPS rated capacity expansion strategy is *Alternative 4A: Upgrade Existing SPS*











- **Finch:**
 - Rated Capacity expansion from 14.5 L/s (existing) to 20.0 L/s (year 2051).
 - Recommended timeline: 2031-2036
- **Crysler:**
 - Rated Capacity expansion from 46.0 L/s to 60.6 L/s.
 - Recommended timeline: 2025-2030
- **Moose Creek:**
 - Rated Capacity expansion from 16.6 L/s to 28.0 L/s.
 - Recommended timeline: 2025-2030

Next Steps:

- Detailed condition assessment of the SPS to determine refurbishment needs as concerns regarding deteriorating conditions (concrete pitting, odor, deteriorated ladders due to corrosion etc.) have been raised.
- If SPS are beyond rehabilitation, undertake a SPS Replacement project and update capital plan with a phased approach.



Moose Creek Wastewater Treatment Lagoons: Short List and Detailed Evaluation Summary

Evaluation Criteria	Alternative 4B-1: Upgrade Existing Lagoons	Rating	Alternative 4B-2: Modified Lagoon Operation	Rating
Technical	<ul style="list-style-type: none"> New proposed technology requiring operator training Potential for optimization of process units and further capacity expansion 		<ul style="list-style-type: none"> Ease of construction No complex technology/relatively simple operation Ample capacity for bypass for maintenance requirements Preliminary treatment and RAS processes required 	
Social and Cultural	<ul style="list-style-type: none"> All proposed upgrades can possibly fit within the municipal property and no land acquisition is anticipated 		<ul style="list-style-type: none"> All proposed upgrades can possibly fit within the municipal property and no land acquisition is anticipated 	
Environment	<ul style="list-style-type: none"> Land modifications required for the SAGR system 		<ul style="list-style-type: none"> No land acquisition required Impacts due to construction can be addressed by industry recommended construction practices 	
Economic	<ul style="list-style-type: none"> Capital costs lower than Alternative 4B-2 		<ul style="list-style-type: none"> Large capital costs 	
Overall Score and Summary	Recommended Alternative		Not recommended due to large capital costs	

Wastewater Treatment Lagoons: Recommended Solution

Preferred strategy for Moose Creek lagoon rated capacity expansion is Alternative 4B-1: *Upgrade Existing Lagoons*

- Rated Capacity expansion from 302 m³/day (existing) to 450 m³/day (year 2051).
- Recommended timeline:
 - Class EA, Design and Construction: 2025 - 2030

Next Steps for Moose Creek Lagoon Expansion:

- An assimilative capacity study is required to confirm effluent discharge capacity, and to confirm if this would support the required future capacity.
- Additional investigation (environmental, archaeological, cultural heritage) required in the future to fulfill requirements of a Schedule C Class EA process.
- Future Schedule C Class EA would confirm preferred solution including technology and footprint requirements.



Next Steps

Following this Public Information Centre (PIC), the Project Team will receive and consider comments from PIC participants and other interested parties.

Feedback received will be considered in finalizing the recommended solutions and will be documented through the Master Servicing Study Report.

The next opportunities for public notification and input will include:

Opportunity	Anticipated Date
Notice of Study Completion Published	Late 2024
Final Report Available for 30-Day Public Review and Comment	Late 2024



Thank you for Attending!

Questions or Comments ?

- Complete a comment sheet this evening or submit comments to a member of the project team.
- More information including copies of project notices and PIC materials can be found at:

<https://www.northstormont.ca/>

Craig Calder

CAO/Clerk
Township of North Stormont
15 Union Street
Berwick, ON K0C 1G0
613-984-2821 ext. 223
ccalder@northstormont.ca

Trevor Kealey, P.Eng.

Project Director
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite
300
Toronto, ON M2J 4Z8
613-226-1844 ext. 3230
tkealey@rvanderson.com

Please Provide your comments by October 2024
Include Subject Line: North Stormont MSS PIC





THE TOWNSHIP OF NORTH STORMONT
VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK
WATER AND WASTEWATER MASTER SERVICING PLAN
Public Information Session # 1
September 17, 2024

COMMENT SHEET

If you have any comments/questions that you would like to provide the Study Team, please fill out this form and your comments will be reviewed, and you will receive a response.

Name:	
Contact Information: (to provide a reply)	(Please include one of email address, phone number, address)

COMMENTS:

(Additional room on the back of the page to continue comments)

Please submit comments in comment box at meeting or else forward your comments to the following members of the study team below:

Craig Calder
CAO/Clerk
Township of North Stormont
15 Union Street
Berwick, ON K0C 1G0
613-984-2821 ext. 223
ccalder@northstormont.ca

Trevor Kealey, P.Eng.
Project Director
R.V. Anderson Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8
613-226-1844 ext. 3230
tkealey@rvanderson.com



THE TOWNSHIP OF NORTH STORMONT
VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK
WATER AND WASTEWATER MASTER SERVICING PLAN

Public Information Session # 1

September 17, 2024

COMMENT SHEET

If you have any comments/questions that you would like to provide the Study Team, please fill out this form and your comments will be reviewed, and you will receive a response.

Name:	
Contact Information: (to provide a reply)	(Please include one of email address, phone number, address)

COMMENTS:

very informative
very glad system can be upgraded
and not enlarged.

(Additional room on the back of the page to continue comments)

Please submit comments in comment box at meeting or else forward your comments to the following members of the study team below:

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NOTICE OF PUBLIC INFORMATION CENTRE #1

VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK WATER AND WASTEWATER MASTER SERVICING PLAN FOR THE TOWNSHIP OF NORTH STORMONT

The Township of North Stormont has initiated a Water and Wastewater Master Servicing Plan (MSP) for the future growth in the villages of Crysler, Finch, and Moose Creek. The Township of North Stormont is completing this Water and Wastewater MSP to identify high level strategies for existing and future water and wastewater servicing in the Township.

The preferred servicing strategies will:

- Support service area growth to 2051 while considering opportunities for operational flexibility and redundancy, as well as for optimization and improvement of the existing systems;
- Provide resiliency to potential future changes to regulatory and climatic conditions;
- Balance environmental, social, technical, and economic considerations.

The project is being completed as an **Approach No. 1 Master Plan** project under the framework of the **Municipal Class Environmental Assessment** (October 2000, amended in 2007, 2011, 2015, & 2023), which is approved under the Ontario Environmental Assessment Act. The study will address the requirements of Phase 1 and part of Phase 2 of the Municipal Class EA process.

How do I Participate?

We are hosting Public Information Centre #1 to report on the progress of the study and provide members of the public with an opportunity to provide comments prior to its finalization. The Public Information Centre will be hosted in person and will include presentation boards and the opportunity for the public to ask questions of the project team.

When: Tuesday, September 17, 2024, from 6:00 – 9:00 p.m.

Where: Moose Creek Recreational Hall

How: In-person.

The presentation boards from the meeting will be posted on the project webpage following the meeting: <https://www.northstormont.ca/>.

If you have any questions or comments regarding the study, or wish to be added to the project contact list to receive notices, please contact a member of the project team:

Craig Calder	Trevor Kealey, P.Eng.
CAO/Clerk	Project Director
Township of North Stormont	R.V. Anderson Associates Limited
15 Union Street	2001 Sheppard Avenue East, Suite 300
Berwick, ON K0C 1G0	Toronto, ON M2J 4Z8
613-984-2821 ext. 223	613-226-1844 ext. 3230
ccalder@northstormont.ca	tkealey@rvanderson.com

This notice first issued September 2nd, 2024

Copilot

Here are some questions you might consider posing at a public forum focused on drinking water and sewage water management over the next 30 years:

Drinking Water

1. Quality and Safety

- ☐ What measures are being taken to ensure the long-term safety and quality of our drinking water?
- ☐ How are emerging contaminants, such as pharmaceuticals and microplastics, being addressed?
- ☐ What are the plans for upgrading aging infrastructure to prevent contamination?

2. Sustainability and Conservation

- ☐ What strategies are in place to promote water conservation among residents and businesses?
- ☐ How is climate change expected to impact our water supply, and what are the plans to mitigate these effects?
- ☐ Are there any initiatives to recycle or reuse water to reduce overall consumption?

3. Public Health and Education

- ☐ How is the community being educated about the importance of water conservation and safe water practices?
- ☐ What steps are being taken to ensure vulnerable populations have access to safe drinking water?
- ☐ How are water quality issues communicated to the public, and what is the protocol for addressing public concerns?

Sewage Water

4. Treatment and Management

- ☐ What advancements in sewage treatment technology are being considered to improve efficiency and reduce environmental impact?

Powered by AI

- How are stormwater and sewage overflows being managed to prevent contamination of local water bodies?
- What are the plans for handling increased sewage loads due to population growth?

5. **Environmental Impact**

- How is the impact of sewage discharge on local ecosystems being monitored and mitigated?
- What measures are in place to reduce the release of harmful substances, such as heavy metals and endocrine disruptors, into the environment?
- Are there any initiatives to use treated sewage water for non-potable purposes, such as irrigation or industrial use?

6. **Regulation and Compliance**

- How are local regulations evolving to address new challenges in sewage management?
- What are the penalties for non-compliance with sewage treatment standards, and how are they enforced?
- How is the community involved in decision-making processes regarding sewage management projects?

These questions can help ensure a comprehensive discussion on the future of drinking water and sewage water management, addressing both immediate concerns and long-term strategies¹²³.

Is there a specific aspect of water management you're particularly interested in?

Source(s)

1. [Overview of the Microbiological Aspects of Drinking Water Quality](#)
2. [Science assessment of the impacts of municipal wastewater effluent ...](#)
3. [Taking Care of Your Drinking Water: A Guide for Members of Municipal...](#)

Copilot

Aging infrastructure poses several risks, particularly when it comes to drinking water and sewage systems. Here are some key concerns:

Drinking Water

1. Contamination

- **Leaky Pipes:** Old pipes can develop leaks, allowing contaminants to enter the water supply.
- **Corrosion:** Corroded pipes can release harmful metals like lead and copper into the drinking water.

2. Service Interruptions

- **Breakages:** Aging pipes are more prone to breaking, which can disrupt water supply and require costly repairs.
- **Pressure Issues:** Old infrastructure can lead to inconsistent water pressure, affecting the delivery of water to homes and businesses.

3. Inefficiency

- **Water Loss:** Leaks and breaks in old pipes can result in significant water loss, reducing the efficiency of the water supply system.
- **High Maintenance Costs:** Older systems often require more frequent and expensive maintenance.

Sewage Water

4. Environmental Contamination

- **Sewage Overflows:** Aging sewage systems are more likely to overflow during heavy rains, leading to contamination of local water bodies.
- **Inadequate Treatment:** Old treatment plants may not be equipped to handle modern pollutants, resulting in untreated or inadequately treated sewage being released into the environment.

5. Health Risks

Powered by AI

- **Exposure to Pathogens:** Leaks and overflows can expose the public to harmful pathogens, increasing the risk of waterborne diseases.
- **Chemical Contaminants:** Aging infrastructure may not effectively remove newer chemical contaminants, posing health risks to the community.

6. Operational Challenges

- **Frequent Breakdowns:** Old equipment is more prone to breakdowns, leading to service interruptions and increased repair costs.
- **Capacity Issues:** Aging systems may not be able to handle increased loads due to population growth, leading to inefficiencies and potential failures.

Addressing these risks typically involves significant investment in upgrading and maintaining infrastructure to ensure safe, reliable, and efficient water and sewage systems.

Are there any specific aspects of aging infrastructure you're particularly concerned about?



THE TOWNSHIP OF NORTH STORMONT
VILLAGES OF CRYSLER, FINCH, AND MOOSE CREEK
WATER AND WASTEWATER MASTER SERVICING PLAN

Public Information Session # 1

September 17, 2024

COMMENT SHEET

If you have any comments/questions that you would like to provide the Study Team, please fill out this form and your comments will be reviewed, and you will receive a response.

Name:	François Lafleur - EVB Engineering
Contact Information: (to provide a reply)	francois.lafleur@evbengineering.com, 613-935-3775 (Please include one of email address, phone number, address)

COMMENTS:

We wish to make the following comments on the PIC boards and information provided:
- further to discussions with G&E Reno, we anticipate a shortfall of Crysler water allocations sometime between 2029 and 2030 when considering only the McBain Land Subdivision, much earlier than shown on slide #12. This is based on a sales target of ~30 units per year. We respectfully request that calculations be updated to reflect G&E's expected timelines, and that the Township prioritize the implementation of upgrades to the water system to not delay development and growth. Additional information will follow shortly in a technical memorandum.
- with regards to wastewater, we understand the capacity of the existing Crysler pumping station is the ultimate limiting factor as noted in the Reserve Capacity Study Update (April 12, 2024).

(Additional room on the back of the page to continue comments)

Please submit comments in comment box at meeting or else forward your comments to the following members of the study team below:

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Berwick, ON K0C 1G0
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COMMENT SHEET

ADDITIONAL COMMENTS:

However, it should be noted that G&E's subdivision does not discharge into the existing Cryslar
pumping station, hence the limiting factor for the G&E subdivision is the lagoon capacity which is
much greater (600 lots as per the Reserve Capacity Study Update). Furthermore, sewage from
90 units (Flagstone Meadows) will be redirected from the existing Cryslar pumping station into the
new G&E pumping station as discussed in our Servicing Report for the subdivision, which will
result in a reduction in flow at the existing pumping station. We respectfully request that
calculations be updated to reflect the above, and that the Township increase its uncommitted
allocations for sewage for the G&E subdivision to match the lagoon capacity rather than the
capacity of the existing pumping station.
We appreciate the opportunity to review & comment on the above, and we remain available for
discussion should you require any further information.

Appendix B-4

Responses Received



RE: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

FROM:	Doug Renaud	SENT:	2024-05-30 6:42:55 PM UTC
TO:	"NLee@rvanderson.com" <NLee@rvanderson.com>		
CC:	Danielle Ward <dward@northdundas.com>		
ATTACHMENTS:			

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hi Natasha,

Thank you for the information page, could you please send any further notices or information to my attention and Danielle Ward in cc of this email on behalf of the Township of North Dundas.

Thanks,



Doug Renaud

Infrastructure Coordinator
Township of North Dundas
636 St. Lawrence Street, P.O. Box 489, Winchester, ON K0C 2K0
P: (613) 774-2105 x 269
F: (613) 774-5699
E: drenaud@northdundas.com
W: www.northdundas.com



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From: info <info@northdundas.com>
Sent: Thursday, May 30, 2024 1:32 PM
To: Danielle Ward <dward@northdundas.com>
Cc: Doug Renaud <drenaud@northdundas.com>
Subject: FW: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

From: Carol Derrick <cderrick@rvanderson.com>
Sent: Thursday, May 30, 2024 1:26 PM
Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>

Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

Encls: Notice of Commencement

R.V. Anderson Associates Limited has been engaged in the provision of professional engineering, operations, and management services since 1948. This message is intended only for the use of the individual(s) to whom it is addressed. If you are not the intended recipient(s), disclosure, copying, distribution and use are prohibited; please notify us immediately and delete this email from your systems. Please see <http://www.rvanderson.com> for Copyright and Terms of Use.



FW: 2024-05-30-MNRFcomment-NoC-WandWWmasterplan-NorthStormontTwp

From Natasha Lee <NLee@rvanderson.com>

Date Tue 6/4/2024 1:59 PM

To Samson Tso <stso@rvanderson.com>

Cc Darika Sharma <DSharma@rvanderson.com>

2 attachments (741 KB)

R226348-20240530- Notice of Study Commencement.pdf; 2024-05-30-MNRFcomments-NoC-WandWWmasterplan-NorthStormontTwp.pdf;

Hi Samson,

Please file this email on the network and log in the comments log.

Thanks,
Natasha

From: Kennedy, Adam (MNRF) <Adam.Kennedy@ontario.ca>

Sent: Thursday, May 30, 2024 4:04 PM

To: Natasha Lee <NLee@rvanderson.com>; ccalder <ccalder@northstormont.ca>

Cc: Kennedy, Adam (MNRF) <Adam.Kennedy@ontario.ca>

Subject: 2024-05-30-MNRFcomment-NoC-WandWWmasterplan-NorthStormontTwp

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Hi Natasha and Craig,

Please find Ministry of Natural Resources and Forestry comments attached per the attached Notice of Commencement circulation – Twp of North Stormont Water and Wastewater Master Servicing Plan – Villages of Crysler, Finch and Moose Creek.

If you have any questions please let me know.

Regards,
Adam

Adam Kennedy

Regional Planner | LUPSI

Southern Region | ROD

Ontario Ministry of Natural Resources and Forestry | Ontario Public Service

Adam.Kennedy@Ontario.ca | (705) 761-3374



Taking pride in strengthening Ontario, its places and its people

From: Carol Derrick <cderrick@rvanderson.com>

Sent: Thursday, May 30, 2024 1:26 PM

Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>

Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

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Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
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**Ministry of Natural Resources and
Forestry**

Land Use Planning and Strategic Issues
Section
Southern Region

Regional Operations Division
300 Water Street
Peterborough, ON K9J 3C7
Tél.: 705 761-4839

Ministère des Richesses naturelles et des Forêts

Section de l'aménagement du territoire et
des questions stratégiques
Région du Sud

Division des opérations
régionales 300, rue Water
Peterborough (ON) K9J 3C7
Tél.: 705 761-4839



May 30, 2024

To Craig Calder and Natasha Lee

SUBJECT: Notice of Study Commencement – Villages of Crysler, Finch and Moose Creek – Water and Wastewater Master Servicing Plan for the Township of North Stormont

The Ministry of Natural Resources and Forestry (MNRF) received the Notice of Project Commencement on May 30, 2024. Thank you for circulating this to our office. Please note that we have not completed a screening of natural heritage or other resource values for the project at this time. This response, however, does provide information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, as well as engaging with the Ministry for advice as needed.

Please also note that it is the proponent's responsibility to be aware of, and comply with, all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

Natural Heritage

MNRF's natural heritage and natural resources GIS data layers can be obtained through the Ministry's [Land Information Ontario \(LIO\)](#) website. You may also view natural heritage information online (e.g., Provincially Significant Wetlands, ANSI's, woodlands, etc.) using the [Make a Map: Natural Heritage Areas](#) tool.

We recommend that you use the above-noted sources of information during the review of your project proposal.

Natural Hazards

A series of natural hazard technical guides developed by MNRF are available to support municipalities and conservation authorities implement the natural hazard policies in the Provincial Policy Statement (PPS). For example, standards to address flood risks and the potential impacts and costs from riverine flooding are addressed in the *Technical Guide River and Stream Systems: Flooding Hazard Limit (2002)*. We recommend that you consider these technical guides as you assess specific improvement projects that can be undertaken to reduce the risk of flooding.

Petroleum Wells & Oil, Gas and Salt Resources Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.ogsrlibrary.com) for the best-known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the library website to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at POSRecords@ontario.ca or 519-873-4634.

Fish and Wildlife Conservation Act

Please note, that should the project require:

- The relocation of fish outside of the work area, a Licence to Collect Fish for Scientific Purposes under the *Fish and Wildlife Conservation Act* will be required.
- The relocation of wildlife outside of the work area (including amphibians, reptiles, and small mammals), a Wildlife Collector's Authorization under the *Fish and Wildlife Conservation Act* will be required.

Public Lands Act & Lakes and Rivers Improvement Act

Some Projects may be subject to the provisions of the *Public Lands Act* or *Lakes and River Improvement Act*. Please review the information on MNRF's web pages provided below regarding when an approval is, or is not, required.

- For more information about the *Public Lands Act*: <https://www.ontario.ca/page/crown-land-work-permits>
- For more information about the *Lakes and Rivers Improvement Act*: <https://www.ontario.ca/page/lakes-and-rivers-improvement-act-administrative-guide>

After reviewing the information provided, if you have not identified any of MNRF's interests stated above, there is no need to circulate any subsequent notices to our office. If you have identified any of MNRF's interests and/or may require permit(s) or further technical advice, please direct your specific questions to the undersigned.

If you have any questions or concerns, please feel free to contact me.

Best Regards,

Adam Kennedy

Adam Kennedy

Regional Planner | LUPSI

Southern Region | ROD

Ontario Ministry of Natural Resources and Forestry | Ontario Public Service

Adam.Kennedy@Ontario.ca | (705) 761-3374

MCM Response - Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont			
FROM:	Leclerc, Erika (MCM)	SENT:	2024-06-20 8:12:01 PM UTC
TO:	Natasha Lee		
CC:	Carol Derrick; Samson Tso; ccalders; Barboza, Karla (She/Her) (MCM)		
ATTACHMENTS:	2024-05-30 WWMP_NofCommencement.pdf; 2024-06-20 WWMP_NorthStormont_MCMInitialLetter.pdf;		

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Dear Natasha Lee,

Thank you for sending the Notice of Study Commencement for the above-referenced project to the Ministry of Citizenship and Multiculturalism (MCM). Please find attached MCM's initial letter on this project.

Please do not hesitate to reach out if you have any questions.

Best regards,

Erika Leclerc

Heritage Planner | Heritage Branch | Citizenship, Inclusion and Heritage Division
Ministry of Citizenship and Multiculturalism | Ontario Public Service
416-305-0757 | erika.leclerc@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Carol Derrick <cderrick@rvanderson.com>

Sent: Thursday, May 30, 2024 1:26 PM

Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>

Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

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Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

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**Ministry of Citizenship
and Multiculturalism**

Heritage Planning Unit
Heritage Branch
Citizenship, Inclusion and
Heritage Division
5th Flr, 400 University Ave
Tel.: 416-305-0757

**Ministère des Affaires civiques
et du Multiculturalisme**

Unité de la planification relative au
patrimoine
Direction du patrimoine
Division des affaires civiques, de
l'inclusion et du patrimoine
Tél.: 416-305-0757



June 20, 2024

EMAIL ONLY

Natasha Lee, P. Eng
Project Manager
R.V. Anderson and Associates Limited
2001 Sheppard Avenue East, Suite 300
Toronto, ON M2J 4Z8
NLee@rvanderson.com

MCM File : 0021812
Proponent : Township of North Stormont
**Subject : Municipal Class Environmental Assessment – Notice of Study
Commencement – Master Plan Approach #1**
**Project : Villages of Crysler, Finch, and Moose Creek, Water and Wastewater
Master Servicing Plan**
**Location : Township of North Stormont, United Counties of Stormont, Dundas
and Glengarry**

Dear Natasha Lee:

Thank you for providing the Ministry of Citizenship and Multiculturalism (MCM) with the Notice of Study Commencement for the above-referenced project.

MCM's interest in this master plan relates to its mandate of conserving Ontario's cultural heritage, which includes archaeological resources, built heritage resources, and cultural heritage landscapes.

MCM understands that master plans are long range plans which integrate infrastructure requirements for existing and future land use with environmental assessment planning principles. The Municipal Class Environmental Assessment (MCEA) outlines a framework for master plans and associated studies which should recognize the planning and design Process of this Class EA and should incorporate the key principles of successful environmental assessment planning identified in Section A.1.1. The master planning process will, at minimum, address Phases 1 and 2 of the Planning and Design Process of the MCEA.

This letter provides advice on how to incorporate consideration of cultural heritage in the above-mentioned master planning process by outlining the technical cultural heritage studies and the level of detail required to address cultural heritage in master plans. In accordance with the MCEA, cultural heritage resources should be identified early in the process in order to determine known and potential resources and potential impacts.

Master Plan Summary

The Township of North Stormont has initiated a Water and Wastewater Master Servicing Plan (MSP) for the future growth in the villages of Crysler, Finch, and Moose Creek. The Township of North Stormont is completing this Water and Wastewater MSP to identify high level strategies for existing and future water and wastewater servicing in the Township. The project is being completed as an Approach No. 1 Master Plan project under the framework of the MCEA.

Identifying Cultural Heritage Resources

MCM understands that the master plan would typically be done at a broad level of assessment thereby requiring more detailed investigations at the project-specific level. Therefore, a description of the existing conditions related to cultural heritage resources needs to be included in the master plan document.

Archaeological Resources

The existing conditions sub-section should indicate if the master plan includes areas of archaeological potential or not and acknowledge that archaeological assessments will be required for future project-specific projects. The proponents should refer to an archaeological management plan or a data sharing agreement, should they exist. In their absence, the Ministry's screening checklists can help determine whether archaeological assessments will be needed for subsequent project undertakings: [Criteria for Evaluating Archaeological Potential](#) and [Criteria for Evaluating Marine Archaeological Potential](#) (if shoreline or in-water works are proposed).

A statement should be included that archaeological assessments are to be undertaken by an archaeologist licensed under the Ontario Heritage Act and that archaeological assessment reports must be submitted for MCM review prior to the completion of the environmental assessment and prior to any ground disturbance. Some municipalities may also elect to have a Stage 1 archaeological assessment undertaken for a master plan area.

Built Heritage Resources and Cultural Heritage Landscapes

MCM recommends that an Existing Conditions Report be undertaken by a qualified person, which will include a historical summary of the study area's development, identifying all known or potential built heritage resources and cultural heritage landscapes within the study area. The findings of the existing conditions report should be included in the existing conditions subsection of the master plan document.

Community input should be sought to identify locally recognized and potential cultural heritage resources. Sources include, but are not limited to, Municipal Heritage Committees, community heritage registers, historical societies, and other local heritage organizations.

Cultural heritage resources are often of critical importance to Indigenous communities. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and any engagement with Indigenous communities should include a discussion about known or potential cultural heritage resources that are of value to them.

Subsequent Municipal Class EA Undertakings

The recommendations outlined above can be used in support of any future technical cultural heritage studies required for any Schedule B and C MCEA undertakings identified within the master planning area. Technical cultural heritage studies are to be undertaken by a qualified person who has expertise, recent experience, and knowledge relevant to the type of cultural heritage resources being considered and the nature of the activity being proposed. Please advise MCM whether any technical cultural heritage studies will be completed for this master plan and provide them to MCM before issuing a Notice of Completion.

Please note that the responsibility for administration of the *Ontario Heritage Act* and matters related to cultural heritage have been transferred from the Ministry of Tourism, Culture and Sport (MTCS) to the Ministry of Citizenship and Multiculturalism (MCM). Individual staff roles and contact information remain unchanged. Please continue to send any notices, report and/or documentation to both Karla Barboza and myself.

- Karla Barboza, Team Lead - Heritage | Heritage Planning Unit (Citizenship and Multiculturalism) | 416-660-1027 | karla.barboza@ontario.ca
- Erika Leclerc, Heritage Planner | Heritage Planning Unit (Citizenship and Multiculturalism) | 416-305-0757 | erika.leclerc@ontario.ca

Thank you for consulting MCM on this project. Please continue to do so through the master plan process and contact me for any questions or clarification.

Sincerely,

Erika Leclerc
Heritage Planner
Erika.leclerc@ontario.ca

Copied to: Craig Calder, CAO/Clerk, Township of North Stormont
Carrol Derrick, R.V. Anderson and Associates Limited
Samson Tso, R.V. Anderson and Associates Limited
Karla Barboza, Team Lead – Heritage Planning Unit, MCM

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. The Ministry of Citizenship and Multiculturalism (MCM) makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MCM be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out an archaeological assessment, in compliance with Section 48(1) of the *Ontario Heritage Act*.

The *Funeral, Burial and Cremation Services Act, 2002*, S.O. 2002, c.33 requires that any person discovering human remains must cease all activities immediately and notify the police or coroner. If the coroner does not suspect foul play in the disposition of the remains, in accordance with *Ontario Regulation 30/11* the coroner shall notify the Registrar, Ontario Ministry of Public and Business Service Delivery, which administers provisions of that Act related to burial sites. In situations where human remains are associated with archaeological resources, the Ministry of Citizenship and Multiculturalism should also be notified (at archaeology@ontario.ca) to ensure that the archaeological site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.



FW: Master Service Plan - Hydro One Response

From Natasha Lee <NLee@rvanderson.com>
Date Wed 6/5/2024 11:01 AM
To Samson Tso <stso@rvanderson.com>
Cc Darika Sharma <DSharma@rvanderson.com>; Trevor Kealey <tkealey@rvanderson.com>

2 attachments (321 KB)

20240605-NoticeOfCommence-Water and Wastewater Master Servicing Plan.pdf; 19817.pdf;

Please review, file, log.

Thanks,
Natasha

-----Original Message-----

From: Craig Calder <ccalder@northstormont.ca>
Sent: Wednesday, June 5, 2024 11:00 AM
To: Trevor Kealey <tkealey@rvanderson.com>; Natasha Lee <NLee@rvanderson.com>
Cc: Blake Henderson <bhenderson@northstormont.ca>; Dawn Crump <DCrump@ocwa.com>; Francois Landry <flandry@northstormont.ca>
Subject: Master Service Plan - Hydro One Response

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hi Trevor and Natasha:

Please see the response from Hydro. Should the report produce significant infrastructure installation/expansion requirements this may require Hydro works and include an expansion or transmission line replacement and/or relocation. The letter indicates this would trigger an Environmental Assessment (EA) that would require a minimum of 6 months to complete.
(or up to 18 months if a Full Class EA were to be required) to be completed. The Hydro letter clearly outlines all associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code.

-----Original Message-----

From: SUN Hongxia <Susan.SUN@HydroOne.com> On Behalf Of SECONDARY LAND USE Department
Sent: Wednesday, June 5, 2024 9:39 AM
To: Craig Calder <ccalder@northstormont.ca>
Cc: SECONDARY LAND USE Department <Department.SecondaryLandUse@hydroone.com>
Subject: Hydro One Response: 20240605-NoticeOfCommence-Water and Wastewater Master Servicing Plan

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com



Hydro One Networks Inc.

483 Bay Street
8th Floor South Tower
Toronto, Ontario M5G 2P5

HydroOne.com

June 05, 2024

Re: Water and Wastewater Master Servicing Plan

Attention:
Craig Calder CAO/Clerk
Township of North Stormont

Thank you for sending us notification regarding Water and Wastewater Master Servicing Plan. In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities within your study area. At this time we do not have sufficient information to comment on the potential resulting impacts that your project may have on our infrastructure. As such, we must stay informed as more information becomes available so that we can advise if any of the alternative solutions present actual conflicts with our assets, and if so; what resulting measures and costs could be incurred by the proponent. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project.

In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains, parking). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should Water and Wastewater Master Servicing Plan result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking.

Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed.

If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above.

In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Allard Martin- Auto Reply-R226348-20240530-Notice of Commencement & PIC			
FROM:	Josée Brizard	SENT:	2024-05-30 5:25:58 PM UTC
TO:		Carol Derrick	
CC:			
ATTACHMENTS:			
<div>[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links</div>			
<p>Mrs. Josée Brizard has retired as of May 3rd, 2024.</p> <p>For business related to the clerk's office, please send an email to clerk@nationmun.ca.</p> <p>For business addressed to the Chief Administrative Officer, please send an email to pleroux@nationmun.ca.</p> <p>Thank you,</p> <p>Mme Josée Brizard a pris sa retraite le 3 mai 2024.</p> <p>Pour toute question portant sur le Bureau de la Greffe, veuillez envoyer un courriel à clerk@nationmun.ca.</p> <p>Pour toute question pour le Directeur général, veuillez envoyer un courriel à pleroux@nationmun.ca.</p> <p>Merci</p>			

Danielle Ward - Auto Reply-R226348-20240530-Notice of Commencement & PIC			
FROM:		Danielle Ward	
SENT:		2024-05-30 5:26:21 PM UTC	
TO:		Carol Derrick	
CC:			
ATTACHMENTS:			
[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate <u>before</u> Replying or Clicking on any links			
<p>Hello;</p> <p>Thank you for your email, I am currently out of the office on maternity leave and will be returning Monday November 4th 2024.</p> <p>During this time I will be periodically checking and responding to emails.</p> <p>For urget matters related to infrastructure- water, sewer, stormwater, flooding, water/sewer connections- please call 613-774-2105 for immediate assistance, or contact drenaud@northdundas.com.</p> <p>For urgent matters related to landfill operations such as hours, household hazardous waste dates, accepted materials, collection delays, and requests for new pick ups please call 613-774-5157 or contact rdurant@northdundas.com</p> <p>For all invoicing, billing, or other enquiries I will return your email as soon as possible.</p> <p>Thank you for your patience during this time.</p> <p>Danielle Ward Director of Environmental Services Township of North Dundas dward@northdundas.com 613-774-2105</p>			

Josh Mesman- Auto Reply-R226348-20240530-Notice of Commencement & PIC			
FROM:	John Mesman	SENT:	2024-05-30 6:07:23 PM UTC
TO:	Carol Derrick		
CC:	Natasha Lee; Samson Tso; Leadership; Laura Crites; Erin Thorne		
ATTACHMENTS:	R226348-20240530- Notice of Study Commencement.pdf;		

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Hello,

Thanks for sharing this notice with us, confirming receipt from South Nation Conservation.

I'll share the information with our team. Please keep us posted on engagement opportunities!

Best,
John

From: Carol Derrick <cderrick@rvanderson.com>
Sent: Thursday, May 30, 2024 1:26 PM
Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>
Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

External email - if you don't know or can't confirm the identity of the sender, please exercise caution and do not open links or attachments.

On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

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**John Mesman | Managing Director, Property, Conservation Lands,
and Community Outreach**

38 Victoria Street, Box 29, Finch, ON K0C 1K0

Tel: 613-984-2948 or 1-877-984-2948 | Fax: 613-984-2872

nation.on.ca | [make a donation](#)    

Our local environment, we're in it together.

Notre environnement local, protégeons-le ensemble.

Josh Mesman- Response-R226348-20240530-Notice of Commencement & PIC			
FROM:	Sandra Mancini	SENT:	2024-05-30 6:31:10 PM UTC
TO:	Carol Derrick		
CC:	Natasha Lee; Samson Tso; Ronda Boutz; ccalder@northstormont.ca		
ATTACHMENTS:			

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate before Replying or Clicking on any links

Good afternoon Carol,

Thank you for sending us the notice. The contacts for this project will be Ronda Boutz and myself (Sandra Mancini).

Best,

Sandra

From: John Mesman <jmesman@nation.on.ca>
Sent: Thursday, May 30, 2024 2:07 PM
To: Carol Derrick <cderrick@rvanderson.com>
Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>; Leadership <leadership@nation.on.ca>; Laura Crites <lcrites@nation.on.ca>; Erin Thorne <ethorne@nation.on.ca>
Subject: RE: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

Hello,

Thanks for sharing this notice with us, confirming receipt from South Nation Conservation.

I'll share the information with our team. Please keep us posted on engagement opportunities!

Best,
John

From: Carol Derrick <cderrick@rvanderson.com>
Sent: Thursday, May 30, 2024 1:26 PM
Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>
Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

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On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose

Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

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Sandra Mancini | Managing Director, Natural Hazards and Infrastructure

38 Victoria Street, Box 29, Finch, ON K0C 1K0
Tel: 613-984-2948 or 1-877-984-2948 | Fax: 613-984-2872

nation.on.ca | [make a donation](#)    

Our local environment, we're in it together.
Notre environnement local, protégeons-le ensemble.

Sean Fraser - Reply-R226348-20240530-Notice of Commencement & PIC

FROM:	Ryder, Kevin (He/Him) (MMAH)	SENT:	2024-05-30 5:56:39 PM UTC
TO:	Carol Derrick		
CC:			
ATTACHMENTS:	R226348-20240530- Notice of Study Commencement.pdf;		


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Hi Carol,

I have reached out on a couple of occasions to request that ADM Sean Fraser be removed from different email circulations that your organization generates – I was wondering if global change can be made to swap out ADM Fraser for laurie.miller@ontario.ca? Laurie is now in the role (Regional Director, Municipal Services Division) that ADM Fraser once occupied and is better positioned to receive your updates. I think this would be the easiest solution – please let me know if this would be possible.

Thanks in advance,
Kevin

Kevin Ryder
Issues Coordinator | Assistant Deputy Minister’s Office/Planning and Growth Division
Ministry of Municipal Affairs and Housing
647-273/7581 | kevin.ryder@ontario.ca

Ontario 

Taking pride in strengthening Ontario, its places and its people

From: Carol Derrick <cderrick@rvanderson.com>
Sent: Thursday, May 30, 2024 1:26 PM
Cc: Natasha Lee <NLee@rvanderson.com>; Samson Tso <stso@rvanderson.com>
Subject: R226348-20240530-Notice of Commencement & Public Information Centre for the Water and Wastewater Master Servicing Plan for the Township of North Stormont

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On behalf of the Township of North Stormont, please see enclosed the Notice of Commencement and Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

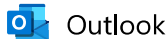
Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Natasha Lee, P. Eng
Project Manager
NLee@rvanderson.com
(416) 497-8600 ext. 1231

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FW: R226348-20240905-Notice of Public Information Centre #1 - W-WW MSP for the Township of North Stormont

From Land ROW East <landroweast@tnpi.ca>
Date Fri 9/6/2024 9:48 AM
To Carol Derrick <cderrick@rvanderson.com>

1 attachment (87 KB)

226348-20240828-North Stormont MSP-Notice of PIC - Final.pdf;

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good morning,
Thank you for contacting Trans-Northern Pipelines Inc. (TNPI)
We can confirm that TNPI has NO infrastructure in the mentioned villages of Crysler, Finch, and Moose Creek.

Kind Regards,
Renée Flowerday

Property and Right of Way Administrator/ Administratrice de propriété et de droit de passage

Trans-Northern Pipelines Inc. | 45 Vogell Road, Suite 310, Richmond Hill, ON L4B 3P6 |

Landroweast@tnpi.ca



Trans-Northern // Trans-Nord

Make it Home!!



From: info <info@tnpi.ca>
Sent: September 5, 2024 11:17 AM
To: Land ROW East <landroweast@tnpi.ca>
Subject: FW: R226348-20240905-Notice of Public Information Centre #1 - W-WW MSP for the Township of North Stormont

From: Carol Derrick <cderrick@rvanderson.com>
Sent: September 5, 2024 8:10 AM
Cc: Trevor Kealey <tkealey@rvanderson.com>; Darika Sharma <DSharma@rvanderson.com>; Samson Tso <stso@rvanderson.com>; Sarah Molnarova <molnarova@rvanderson.com>

11/15/24, 2:10 PM

FW: R226348-20240905-Notice of Public Information Centre #1 - W-WW MSP for the Township of North Stormont - Sarah Molnar...

Subject: R226348-20240905-Notice of Public Information Centre #1 - W-WW MSP for the Township of North Stormont

CAUTION: This email originated from outside of the TNPI organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

On behalf of the Township of North Stormont, please see attached Notice of Public Information Centre for a Water and Wastewater Master Servicing Plan to service the future growth of Moose Creek, Finch and Crysler.

This notice is sent to your attention as it was deemed that you may be an interested stakeholder.

Should you wish to stop receiving notices pertaining to this project or would like to direct it to an alternate recipient, please advise the undersigned.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED

Trevor Kealey, P.Eng.
Project Director
tkealey@rvanderson.com
(416) 497-8600 ext. 3230

Encls: Notice of Public Information Centre #1

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Appendix B-5

30-Day Review Responses and Comments



Sarah Molnarova

From: Laura Crites <lrites@nation.on.ca>
Sent: February 3, 2025 11:46 AM
To: Trevor Kealey; Craig Calder CAO - North Stormont Township (ccalder@northstormont.ca)
Cc: Darika Sharma; Sarah Molnarova; Blake Henderson
Subject: RE: Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan - Final Report for 30-day review

Categories: Filed by Newforma

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Good morning Trevor and Craig,

Thank you for sending the Water and Wastewater Master Plan to South Nation Conservation.

We are available to discuss any items related to Municipal drinking water source protection, as required under the *Clean Water Act*. Also, if the wastewater expansion results in an increased phosphorus discharge, we can provide info on the Total Phosphorus Management Program if needed.

Please include us on future circulations.

Kind regards,
Laura

From: Darika Sharma <DSharma@rvanderson.com>
Sent: January 4, 2025 1:18 AM
To: Craig Calder <ccalder@northstormont.ca>
Cc: Sarah Molnarova <smolnarova@rvanderson.com>; Trevor Kealey <tkealey@rvanderson.com>; Blake Henderson <bhenderson@northstormont.ca>
Subject: Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan - Final Report for 30-day review

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Hello All,

Please see the Final compiled ***Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan*** completed for the Township of North Stormont by R.V. Anderson Associates in the following weblink:
<https://www.northstormont.ca/masterplanwater>

This email is being sent to all stakeholders identified as part of the Municipal Class EA – Master Plan process. This email commences the **30-day review period** for the the Master Plan.

Sarah Molnarova

From: Leclerc, Erika (MCM) <erika.leclerc@ontario.ca>
Sent: February 4, 2025 5:22 PM
To: ccalder; Trevor Kealey
Cc: Barboza, Karla (She/Her) (MCM); Darika Sharma; Sarah Molnarova; Trevor Kealey; Blake Henderson; EA Notices to ERegion (MECP)
Subject: MCM Response - Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan - Final Report for 30-day review
Attachments: 2025-02-04 WWMP_NorthStormont_MCMComments.pdf
Categories: Filed by Newforma

[CAUTION EXTERNAL EMAIL] Make Sure that it is legitimate **before** Replying or Clicking on any links

Good afternoon,

Thank you for providing the Notice of Completion for the above-referenced project to the Ministry of Citizenship and Multiculturalism (MCM). Apologies for the delay in replying.

Please find attached MCM's comments on the Master Plan.

If you have any questions or require clarification, please do not hesitate to contact me.

Kind regards,

Erika Leclerc

Heritage Planner | Heritage Branch | Citizenship, Inclusion and Heritage Division
Ministry of Citizenship and Multiculturalism | Ontario Public Service
416-305-0757 | erika.leclerc@ontario.ca



Taking pride in strengthening Ontario, its places and its people

From: Darika Sharma <DSharma@rvanderson.com>
Sent: Saturday, January 4, 2025 1:18 AM
To: ccalder <ccalder@northstormont.ca>
Cc: Sarah Molnarova <smolnarova@rvanderson.com>; Trevor Kealey <tkealey@rvanderson.com>; Blake Henderson <bhenderson@northstormont.ca>
Subject: Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan - Final Report for 30-day review

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Hello All,

Please see the Final compiled **Villages of Finch, Crylser, and Moose Creek Water and Wastewater Master Plan** completed for the Township of North Stormont by R.V. Anderson Associates in the following weblink:
<https://www.northstormont.ca/masterplanwater>

**Ministry of Citizenship
and Multiculturalism**

Heritage Planning Unit
Heritage Operations Branch
Citizenship, Inclusion and
Heritage Division
5th Flr, 400 University Ave
Toronto, ON M5G 1S7
Tel.: 416-305-0757

**Ministère des Affaires civiques
et du Multiculturalisme**

Planification relative au patrimoine
Opérations relatives au patrimoine
Division des affaires civiques, de
l'inclusion et du patrimoine
5e étage, 400, av. University
Toronto, ON M5G 1S7
Tél.: 416-305-0757



February 4, 2025

EMAIL ONLY

Trevor Kealey
Principal Regional Manager Ottawa
R.V. Anderson Associates Limited
1750 Courtwood Crescent, Suite 220
Ottawa ON, K2C 2B5
tkealey@rvanderson.com

MCM File : 0021812
Proponent : Township of North Stormont
Subject : Municipal Class Environmental Assessment – Notice of Completion
– Master Plan Approach #1
Project : Villages of Crysler, Finch, and Moose Creek, Water and Wastewater
Master Servicing Plan
Location : Township of North Stormont, United Counties of Stormont, Dundas
and Glengarry

Dear Trevor Kealey:

Thank you for providing the Ministry of Citizenship and Multiculturalism (MCM) with the Notice of Completion for the above-referenced project.

MCM's interest in this Master Plan relates to its mandate of conserving Ontario's cultural heritage, which includes archaeological resources, built heritage resources (BHRs), and cultural heritage landscapes (CHLs).

Master Plan Summary

The Township of North Stormont is responsible for the provision of water and wastewater services to its serviced communities and has undertaken this study to develop, evaluate, and select preferred long-term water and wastewater servicing strategies to support existing servicing needs and accommodate future projected population and employment growth to the year 2051.

The study was conducted in accordance with the Master Planning process following "Approach No. 1" as outlines in the Municipal Class Environmental Assessment (MCEA).

Comments

MCM previously provided comments on this project in an initial letter dated June 20, 2024.

We have reviewed the Master Plan (dated December 24, 2024, from R.V. Anderson Associates Limited) and find that cultural heritage due diligence has yet to be fully documented for this project. We have the following comments and recommendations:

Identifying Cultural Heritage Resources

As noted in our above-referenced initial letter on this project, MCM understands that master plans are typically done at a broad level of assessment thereby requiring more detailed investigations at the project-specific level.

We continue to recommend that a description of the existing conditions related to cultural heritage resources be included in the Master Plan. This includes archaeological resources, as well as BHRs and CHLs.

The Master Plan refers to “cultural and archaeological conditions” as well as “socio-cultural criteria,” however it is not clear whether the study area has been previously screened or assessed.

Archaeological Resources

We continue to recommend that the existing conditions sub-section indicate whether the Master Plan includes areas of archaeological potential and acknowledge that archaeological assessments will be required for future project-specific projects. The proponent should refer to an archaeological management plan or a data sharing agreement, should they exist. In their absence, the Ministry’s screening checklists can help determine whether archaeological assessments will be needed for subsequent project undertakings: [Criteria for Evaluating Archaeological Potential](#) and [Criteria for Evaluating Marine Archaeological Potential](#) (if shoreline or in-water works are proposed).

Please note that archaeological assessments are to be undertaken by an archaeologist licensed under the *Ontario Heritage Act* and that archaeological assessment reports must be submitted for MCM review prior to the completion of the environmental assessment and prior to any ground disturbance.

Built Heritage Resources and Cultural Heritage Landscapes

Future undertakings may impact known and potential BHRs and CHLs. MCM’s [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) screening checklist should be completed for future undertakings under the Master Plan. If there is potential for BHRs and/or CHLs on the property or within the project area, then technical cultural heritage studies (e.g., Cultural Heritage Evaluation Report, Heritage Impact Assessment) should be undertaken by a qualified person as required.

Subsequent Municipal Class EA Undertakings

The preferred water servicing strategy and wastewater servicing strategy include Schedule B and C undertakings. The Master Plan should include a clear commitment to completing technical cultural heritage studies, as required, for future undertakings identified under the Master Plan, as outlined above.

Technical cultural heritage studies are to be undertaken by a qualified person who has expertise, recent experience, and knowledge relevant to the type of cultural heritage resources being considered and the nature of the activity being proposed.

We have attached a table with additional comments and recommended revisions to support the documentation of due diligence and alignment with the legislative framework.

Thank you for consulting MCM on this project. If you have any questions or require clarification, please do not hesitate to contact me.

Sincerely,

Erika Leclerc
Heritage Planner
Erika.leclerc@ontario.ca

Copied to: Craig Calder, CAO/Clerk, Township of North Stormont
Darika Sharma, R.V. Anderson and Associates Limited
Sarah Molnarova, R.V. Anderson and Associates Limited
Blake Henderson, R.V. Anderson and Associates Limited
Karla Barboza, Team Lead – Heritage Planning Unit, MCM
EA Notices to East Region, MECP (eanotification.eregion@ontario.ca)

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. The Ministry of Citizenship and Multiculturalism (MCM) makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MCM be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out an archaeological assessment, in compliance with Section 48(1) of the *Ontario Heritage Act*.

The *Funeral, Burial and Cremation Services Act, 2002*, S.O. 2002, c.33 requires that any person discovering human remains must cease all activities immediately and notify the police or coroner. If the coroner does not suspect foul play in the disposition of the remains, in accordance with *Ontario Regulation 30/11* the coroner shall notify the Registrar, Ontario Ministry of Public and Business Service Delivery and Procurement, which administers provisions of that Act related to burial sites. In situations where human remains are associated with archaeological resources, the Ministry of Citizenship and Multiculturalism should also be notified (at archaeology@ontario.ca) to ensure that the archaeological site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Comment #	Reference to Document	MCM Comments	Proposed Action/Solution
1.	Throughout the Master Plan.	Cultural heritage resources include archaeological resources, built heritage resources (BHRs), and cultural heritage landscapes (CHLs). Please use the correct term when referring to each type, and the term “cultural heritage resources” when referring to all three. We recommend revising the terminology throughout the Master Plan.	Revision to Master Plan.
2.	Proposed New Section: Existing Conditions	<p>Please see cover letter comments. The Master Plan should include a description of the existing conditions related to cultural heritage resources (including archaeological resources, BHRs, and CHLs).</p> <p>Recommendations specific to cultural heritage resources (e.g., required technical studies and timelines for their completion) could also be included under a different section, as appropriate.</p>	<p>Revision to Master Plan. MCM recommends including the following suggested text:</p> <p>[New Section - Existing Conditions: Cultural Heritage Resources]</p> <p>“[Describe existing conditions as they relate to archaeological resources, BHRs, and CHLs]. Future undertakings under the Master Plan may impact known or potential cultural heritage resources, which include archaeological resources, BHRs, and CHLs.</p> <p>For all future undertakings under the Master Plan, The Township shall complete the Ministry of Citizenship and Multiculturalism (MCM)’s <i>Criteria for Evaluating Archaeological Potential</i> screening checklist – and <i>Criteria for Evaluating Marine Archaeological Potential</i> (if shoreline or in-water works are proposed) – to determine whether an archaeological assessment is needed. If a project area exhibits archaeological potential, then an archaeological assessment shall be completed by a licensed archaeologist under the <i>Ontario Heritage Act</i>. Archaeological assessment reports are to be submitted to MCM for review as early as possible during the planning phase and prior to any ground disturbing activities.</p> <p>In addition, for all future undertakings under the Master Plan, the Township shall complete the MCM’s <i>Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage</i></p>

Comment #	Reference to Document	MCM Comments	Proposed Action/Solution
			<i>Landscapes</i> screening checklist to determine whether a Cultural Heritage Evaluation Report (CHER) and Heritage Impact Assessment (HIA) are needed. If a project area exhibits potential for BHRs and/or CHLs, then a CHER shall be completed. If the CHER concludes that the property/project area has cultural heritage value or interest, then a HIA will also be completed. The CHER (and HIA, if required) will be completed by a qualified person(s) and submitted for review and comment to MCM, Indigenous communities, and other interested parties, as early as possible during the planning phase and prior to any ground disturbing activities."
3.	6.0 – Evaluation Methodology (p.19)	<p>Table 6.1 (MCEA Evaluation Criteria) includes a "Social and Cultural" category, which includes "impact to build [sic] heritage and cultural heritage landscapes" among the criteria. Please see comment #1. The table should include impacts to all three types of cultural heritage resources, and the terminology should be revised to align with the legislative framework.</p> <p>In addition, it is not clear how impacts to cultural heritage resources were determined in the evaluation. Please see cover letter comments. We recommend indicating whether the study area has been previous screened/assessed.</p>	<p>Revision to Master Plan. We recommend the following revisions to Table 6.1:</p> <ul style="list-style-type: none"> • "Impacts to known and potential built-heritage resources and cultural heritage landscapes • Impacts to archaeological resources and areas of archaeological potential"
4.	7.7.1 – Water Supply, Table 7.9 (p.39) and 7.7.2 – Water Storage, Table 7.10 (p.47)	<p>See comments #1 and 3, as well as cover letter comments.</p> <p>Table 7.9 (Detailed Evaluation of Water Supply Alternatives) refers to "known archaeological and cultural conditions" and "unknown archaeological and cultural conditions." We recommend revising the terminology to refer to archaeological resources, BHRs, and CHLs. We also recommend that the Master Plan clarify how these conditions were determined.</p>	Revision to Master Plan. Please see suggested wording in comment #3 above and revise accordingly.

Comment #	Reference to Document	MCM Comments	Proposed Action/Solution
		Table 7.10 (Detailed Evaluation of Water Storage Alternatives) should also identify whether there could be potential impacts to all three types of cultural heritage resources.	
5.	7.8 – Preferred Water Servicing Strategy (p.48-53)	The preferred water servicing strategy includes Schedule B and C undertakings. The Master Plan should include a clear commitment to completing technical cultural heritage studies for future undertakings identified under the Master Plan, as outlined in the cover letter and comment #2.	Revision to Master Plan.
6.	8.5.4.3 – Alternative 5B-1: New Facultative Lagoon (p.67)	<p>The Master Plan states that “under the MCEA, this project will require a Schedule C Class EA with architectural and cultural-heritage studies due to the large area of additional land requirement” (p.67).</p> <p>As indicated in our cover letter, MCM recommends that proponents complete the <i>Criteria for Evaluating Archaeological Potential</i> screening checklist (and <i>Criteria for Evaluation Marine Archaeological Potential</i>, as appropriate) for all future undertakings under the Master Plan to determine if an archaeological assessment is required.</p> <p>In addition, future undertakings under the Master Plan should be screened using MCM's <i>Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes</i> screening checklist to determine whether a CHER – and HIA, if recommended – is/are required.</p> <p>Revision recommended. Please see suggested text under comment #2.</p>	Revision to Master Plan.

Comment #	Reference to Document	MCM Comments	Proposed Action/Solution
7.	8.7 – Detailed Evaluation of Post-Screening Alternative Strategies, Table 8.9 (p.74)	Under the “Evaluation Criteria” row, Table 8.9 (Detailed Evaluation of Wastewater Treatment Alternatives) indicates that “all proposed upgrades can possibly fit within the municipal property and no land acquisition is anticipated.” Please see comment #4. It is not clear whether there could be potential impacts to archaeological resources, areas of archaeological potential, and/or known and potential BHRs and CHLs.	Revision to Master Plan.
8.	8.8 - Preferred Wastewater Servicing Strategy (p.75-79)	Please see comment #5. The preferred wastewater servicing strategy include Schedule C undertakings. The Master Plan should include a clear commitment to completing technical cultural heritage studies for future undertakings identified under the Master Plan, as outlined in the cover letter and comment #2.	Revision to Master Plan.
9.	Appendix A – Referenced Legislation and Policies	The <i>Ontario Heritage Act</i> should also be included in the list of Provincial Acts and Policies.	Revision to Master Plan.

APPENDIX C

Population Analysis

1.1 Reserve Capacity Study

The 2022 and 2024 RCS was undertaken by the Township to allocate and track capacity available for future development in the Villages of Crysler, Finch and Moose Creek.

Recorded usage, serviced connections, and existing and planned development information was obtained from the Township staff and the 2013 Crysler and Finch Wastewater Servicing Master Plan (RVA, 2013). The capacity calculations were then completed in accordance with Ministry of Environment and Conservation of Parks (MECP) Procedure D-5-1.

The report provides the number of units connected to each DWS and WWTS. For the Crysler SPS And Wastewater Treatment Lagoons, the total serviced units in both Finch and Crysler are provided. To estimate the serviced units in Crysler alone, this total number of serviced units is subtracted from the units serviced by the Finch SPS alone.

Table 1 provides the results and also summarizes the connected-units information provided in each of the reports. Note that it is assumed that the serviced-units data corresponds to the year prior to the report year (that is, 2022 report covers units serviced in 2021 and 2024 report covers units serviced in 2023).

The 2024 RCS report only covered the WWTS and was used to obtain the units serviced by the WWTSs in 2023. To determine the 2023 DWS serviced units, the growth in the WWTS serviced units from 2021 to 2023 was taken as the same growth for the DWS serviced units. That is, the 2024 report showed that an additional 10 units were connected in both Finch and Moose Creek, while Crysler saw a growth of 31 units, to their corresponding WWTSs. These numbers were added the DWS serviced units reported in the 2022 RCS report to determine the total serviced units in 2023.

Table 1: Total Units Serviced by Municipal System in 2022 and 2024

Parameter	2021 Serviced Units	2023 Serviced Units	2021-2023 Additional Units
Drinking Water System			
Finch	249	259	10
Crysler	440	471	31
Moose Creek	262	272	10
Wastewater Treatment System			
Finch – Crysler Combined	658	699	41

Parameter	2021 Serviced Units	2023 Serviced Units	2021-2023 Additional Units
Finch	228	238	10
Crysler	430	461	31
Moose Creek	222	232	10

1: Crysler Serviced units = Finch-Crysler Combined – Finch Serviced Units

The RCS analyzed capacity requirements on a per-unit basis. However, water use and wastewater discharge can significantly vary among households. At a Master Plan level, capacity is analysed on a per-capita basis to obtain consistent and accurate projection data.

This information is used to obtain the serviced population from 2021 to 2023, which is then used to estimate the historical per person (capita) water consumption and wastewater discharge factors. These factors are then used to project the future water demand and wastewater flows based on the assumption that the services used per capita will remain the same. This is a conservative assumption, as overall trends across Ontario show a decline in per capita water use and wastewater flow (*Potable water use by sector and average daily use*, Statistics Canada).

1.2 Growth Management Strategy

1.2.1 Overview

The Growth Management Strategy (GMS) report provided a long-term forecast for population, housing, and employment requirements as well as the corresponding urban land requirements. The study was conducted to provide consideration for residential and non-residential development across the County up to year 2051.

Population and employment growth in the County is linked to the economic growth opportunities available in the surrounding commuter shed, particularly Ottawa and Cornwall. The following subsections provides details on the forecasted residential and employment growth that will impact the municipal drinking water and wastewater treatment systems.

1.2.2 Historical Serviced Population

The GMS report provided the Population-Per-Unit (P.P.U.) from 2021 to 2051, which is used to estimate the historical serviced population (2021-2023) from the serviced units

provided in the RCS studies. The results are shown in Table 2. PPU used for 2021 to 2023 is 2.59.

Table 2: Historical Served Population

Parameter	2021	2022	2023
Drinking Water System			
Finch	645	658	671
Crysler	1,140	1,180	1,220
Moose Creek	679	692	704
Wastewater Treatment System			
Finch	591	603	616
Crysler	1,114	1,154	1,194
Moose Creek	575	588	601

Historical employment population is not considered as neither of the urban settlements have large industries. Therefore, it is assumed that all municipal services are currently used by the residential population. This is a conservative assumption and leads to larger per-capita factors.

1.2.3 Residential Population Growth

1.2.3.1 OVERVIEW

As of 2021, the Township shares approximately 11% of the total population in the County. Historically, the Township has grown by 0.4% from 2001 – 2021 with an average annual housing growth rate of 27 units.

Three long-term growth scenarios were developed for the County as follows:

- Low Growth Scenario with an average annual rate of 0.5% per year;
- Medium Growth Scenario with an average annual rate of 0.7% per year; and
- High Growth Scenario with an average annual rate of 0.9% per year.

The Medium Growth Scenario was selected as the recommended scenario for long-range planning purposes, as it was conservatively larger than the historic growth rate of 0.1% recorded in the County from 2001 to 2006. The following growth in population and housing, and resulting remaining housing supply is forecasted under this scenario for each urban settlement. All units are to be directed to either of the three urban settlements of Finch,

Crysler or Moose Creek. Additional housing and population growth is from baseline year 2021 to study horizon of 2051

- Finch
 - › Household growth 130 houses, of which 80 are low density, 20 are medium density and 30 are high density units. The corresponding population growth is 290 additional people. Finch is expected to have a surplus of 940 housing supply by 2048.
- Crysler
 - › Household growth is 440 houses, of which 330 are low density, 40 are medium density and 70 are high density units. The corresponding population is 980. Crysler is expected to have a surplus of 40 housing units supply by 2048.
- Moose Creek
 - › Household growth is 220 houses, of which 150 are low density, 30 are medium density and 40 are high density units. The corresponding population is 490. Moose Creek is expected to have a surplus of 260 housing units supply by 2048.

The remaining housing supply on vacant residential designated greenfield lands as of 2023, not including units in any current development approvals process, is 1,840 units in all of North Stormont. This represents 20% of the total vacant supply in the County.

Table 3 provides the population in 2051 calculated using the above data. It is assumed that all future growth (resulting from new developments, intensification of existing serviced areas etc.) will be connected to municipal services. If the Township desires to connect the existing non-serviced lots, an updated *Reserve Capacity* study is recommended to determine the required capacity of municipal services.

Table 3: Residential Population Forecast

Urban Settlement	2023 Serviced Population	A = 2021 Serviced Population	B = 2021 – 2051 Additional Population	A + B = 2051 Population
Drinking Water System				
Finch	671	645	290	935
Crysler	1,220	1,140	980	2,120
Moose Creek	704	679	490	1,169

Urban Settlement	2023 Serviced Population	A = 2021 Serviced Population	B = 2021 – 2051 Additional Population	A + B = 2051 Population
Wastewater Treatment System				
Finch	616	591	290	881
Crysler	1,194	1,114	980	2,094
Moose Creek	601	575	490	1,065

1.2.3.2 POPULATION GROWTH SENSITIVITY ANALYSIS

During the preparation of this Master Plan, development plans for a total of 1,062 units (that can accommodate 3,030 people) was submitted by G&E Reno Construction in a Servicing & Stormwater Management Report prepared by EVB Engineering. The units are to be constructed in four phases, of which only Phase 1 comprising of 329 units which can accommodate 875 people is currently approved.

As summarized in Section 1.2.3.1, the total additional population from 2021 to 2051 projected for Crysler was 980. The G&E Reno Phase 1, that is currently under construction, is about 89% of this total growth (875/980). Additionally, the GMS report also noted that the remaining years of available housing supply available in Crysler is 22 years (which does not include the G&E development). As such, with the currently approved G&E Reno development, Crysler has a remaining supply capacity of 111 additional units only (440 units – 329 units).

As such, the need for a sensitivity analysis on Crysler's population growth was identified. The sensitivity analysis analyzed the High-Growth scenario for Crysler to determine capacity of municipal services that can be needed to support larger than anticipated growth.

The High-Growth scenario is based on a 0.2% higher growth rate (0.9% versus 0.7%). Applying the increased growth rate to Crysler is shown in Table 4 and illustrated graphically in Figure 1. **This scenario will be checked in the water and wastewater forecast analysis.** However, this Master Plan will rely on the population forecast provided in the GMS Report, under the assumption that although approved, the time taken to fully populate the G&E Reno developments cannot be confirmed and can follow the Medium-Growth scenario trendline.

Table 4: Crysler High Growth Scenario

Parameter	Value	Note/Methodology
Additional Population Growth 2021 - 2051	980	Refer to Table 3 1.2.3.1
% Increased Growth Rate under High – Growth scenario.	0.2%	
Additional Population Growth 2021 – 2051 under High Growth Scenario ¹	1,040	Rounded to nearest 10 th
2051 Population under High Growth Scenario – DWS	2,180	= 1,140 + 1,040
2051 Population under High Growth Scenario - WWTS	2,155	= 1,114 + 1,040 Rounded to nearest 10 th digit

1: Value calculated using typical growth rate formula: $POP_{\text{FUTURE}} = POP_{\text{PRESENT}} \times (1+i)^n$, where i = growth rate and n = number of years.

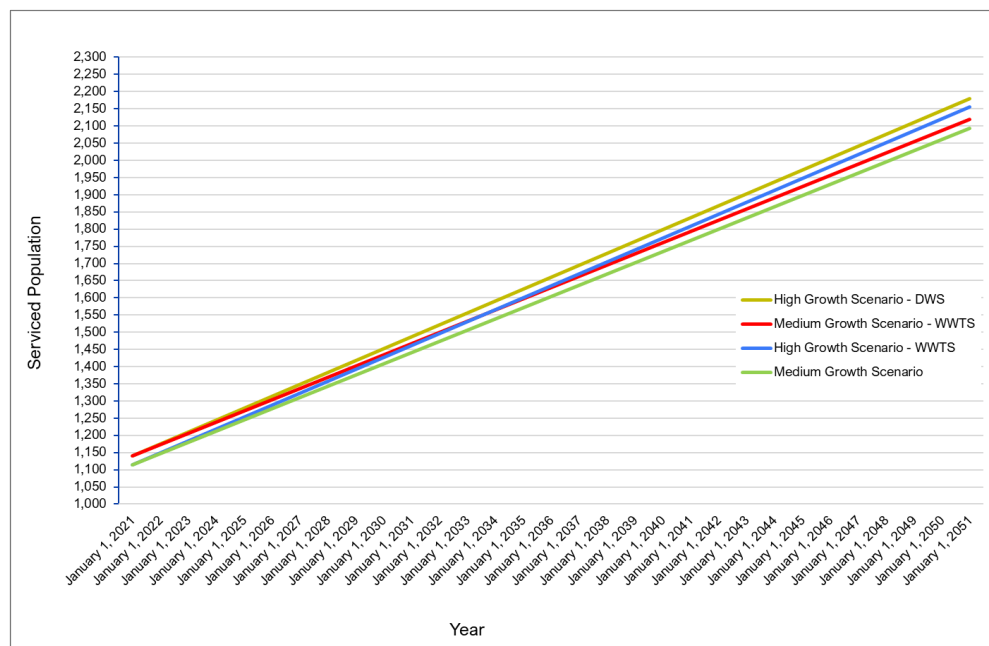


Figure 1: Crysler Medium and high Growth Scenario Comparison

1.2.4 Employment Population Growth

1.2.4.1 OVERVIEW

The County's highest share of employment is in manufacturing, health care, and social assistance sector, followed by retail trade and construction sectors. About 45% of the total

employed residents work within the County. Of the total employment base in the County, only 9% is located in North Stormont.

As of 2023, North Stormont does not have additional vacant industrial lands. This analyses also considered adjustments made for sites that are unlikely to be developed due to odd/small lot sizes and poor configuration, underutilized employment sites, and sites that may have long-term development constraints. As such, any new industry will require expansion boundaries.

Three long-term growth scenarios were developed for the County as follows:

- Low Growth Scenario with an average annual rate of 0.7% per year;
- Medium Growth Scenario with an average annual rate of 0.9% per year; and
- High Growth Scenario with an average annual rate of 1.1% per year.

The Medium Growth Scenario was selected as the recommended scenario for long-range planning purposes. Under this scenario, North Stormont will see 10% of the total employment growth forecasted to 2051 in the County, equating to 710 additional jobs (2016 – 2051) as detailed below. Of this, employees that are likely not residents of the urban settlements and only use municipal services for 8 hours in a day (typical working hours assumed to be 8 AM to 5 PM), or 1/3 of the day are those that work in the designated urban employment lands. This is typically referred to as employment-land employment (ELE) population.

- Finch
 - › Urban employment growth is 110 jobs, of which only 10 are industrial jobs. Total employment on Urban Employment Lands is only 12 people.
- Crysler
 - › Urban employment growth is 380 jobs, of which only 70 are industrial jobs. Total employment on Urban Employment Lands is only 68 people.
- Moose Creek
 - › Urban employment growth is 130 jobs, of which only 20 are industrial jobs. Total employment on Urban Employment Lands is only 22 people.

The remaining jobs fall within work at home, commercial (population related), institutional and N.F.P.O.W.

1.2.4.2 IMPLEMENTATION

Daily water usage and wastewater generation in addition to the existing residential population can be expected to only be contributed from the ELE population. For projection calculations, an *equivalent-residential population* calculated as 1/3 of the total ELE population. Table 5 lists the equivalent residential population for each urban settlement.

Table 5: Employment Population Forecast

Urban Settlement	2021 – 2051 Additional ELE Population	2023 – 2051 Additional ELE Population	Equivalent Residential Population ¹
Finch	12	11	4
Crysler	68	63	23
Moose Creek	22	21	7

1: Equivalent Residential Pop = 1/3 of Additional ELE Population

1.3 Projected Serviced Population

Table 6 provides the total serviced residential and employment combined population forecasted to year 2051, based on the data analysis from Section 1.1 to 1.3. **All values have been rounded to the nearest 10th.**

Table 6: 2051 Forecasted Serviced Population

Urban Settlement	Residential Population	Equivalent Residential Population	2051 Total Serviced Population	Rounded
Drinking Water System				
Finch	935	5	945	950
Crysler – Medium Growth	2,120	25	2,145	2,150
Crysler – High Growth	2,180	25	2,205	2,210
Moose Creek	1,170	10	1,180	1,180
Wastewater Treatment System				
Finch	880	5	885	890
Crysler – Medium Growth	2,095	25	2,125	2,130

Urban Settlement	Residential Population	Equivalent Residential Population	2051 Total Served Population	Rounded
Crysler – High Growth	2,155	25	2,185	2,190
Moose Creek	1,065	10	1,080	1,080

1.4 Committed Population

Finch and Moose Creek's committed units as of 202 was emailed by the Township Planning Staff. Chrysler's committed population was obtained by *G&E Reno Construction in a Servicing & Stormwater Management Report* prepared by EVB Engineering. During the preparation of this Master Plan, development plans for a total of 1,062 units (that can accommodate 3,030 people) was submitted by G&E Reno. The units are to be constructed in four phases, of which only Phase 1 comprising of 329 units which can accommodate 875 people is currently approved.

Since the timeline of when the units will be populated is unclear, a PPU from a specific year provided in the GMS report (Figure 2 for reference) cannot be used. Instead, an average of the PPU from 2021 to 2051 is used instead.

Table 7: Committed Population

Urban Settlement	Units	PPU ¹	Population
Finch	14	2.55	36
Crysler ¹	328	-	875
Moose Creek	12	2.55	31

1: Average PPU from 2021 – 2051 is 2.55

North Stormont

Year	Population (Excluding Census Undercount)	Population (Including Census Undercount) ¹	Households				Persons Per Unit (PPU)
			Low Density ²	Medium Density ³	High Density ⁴	Total	
2016	6,873	7,078	2,480	40	120	2,640	2.60
2021	7,400	7,621	2,615	65	175	2,855	2.59
2026	7,779	8,011	2,739	77	199	3,016	2.58
2031	8,207	8,452	2,890	94	219	3,203	2.56
2036	8,571	8,826	3,005	109	241	3,355	2.55
2041	8,918	9,184	3,113	124	263	3,500	2.55
2046	9,189	9,463	3,211	139	285	3,636	2.53
2051	9,451	9,732	3,297	154	306	3,757	2.52
2021-2051	2,051	2,112	682	89	131	902	

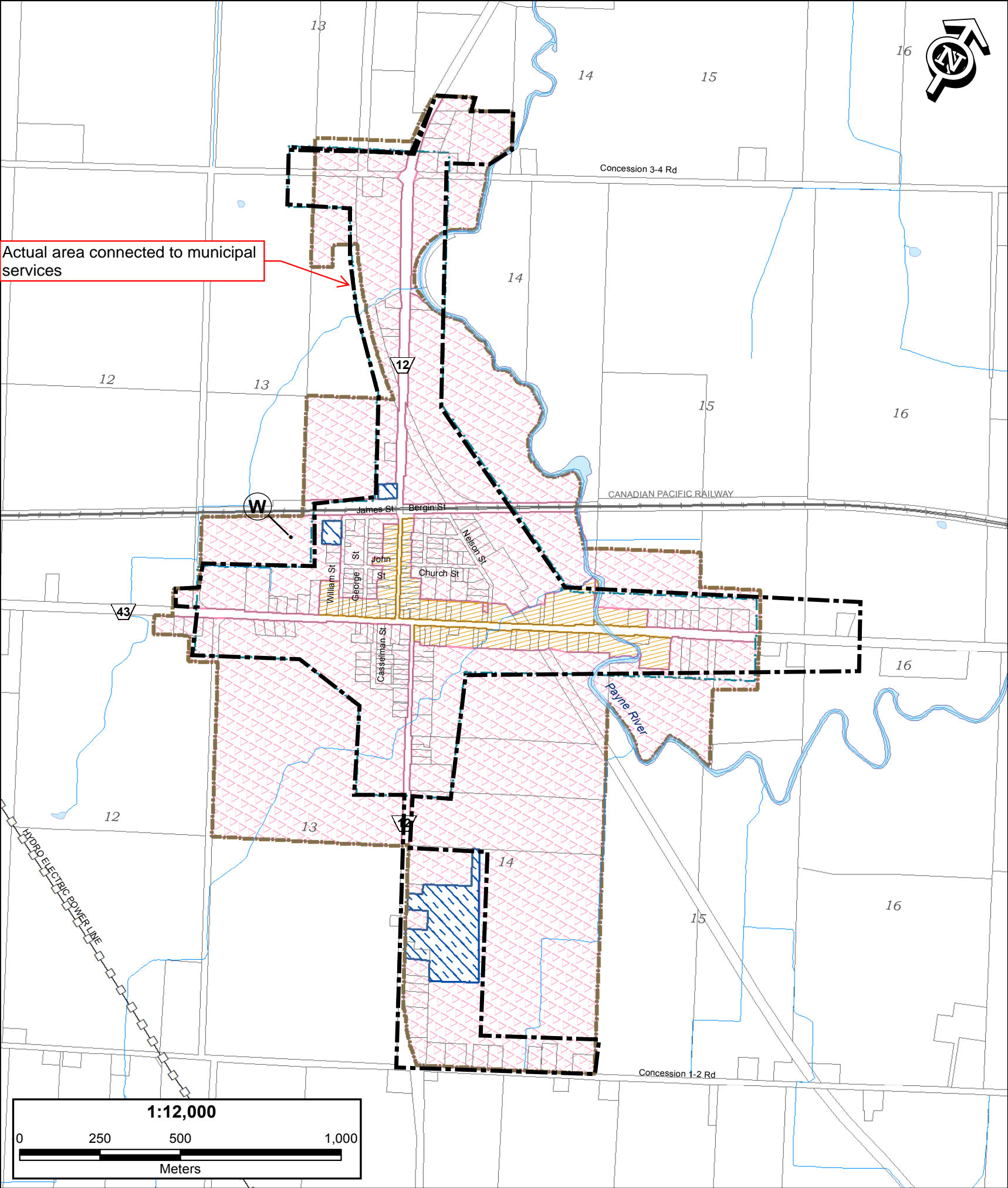
Figure 2: Table Taken from 2023 Growth Management Study Report, Watson & Associates

APPENDIX D
Boundary Maps



SCHEDULE A3a

Finch



LEGEND

Boundaries (Land Use Designation)

- Urban Settlement Area
- Urban Service Limit

Settlement Areas (Land Use Designation)

- Residential District
- Commercial District
- Employment District
- Provincially Significant Wetland
- Salvage Yard District
- Major Open Space
- Airport District
- Special Land Use District (See Table 9.1.2 of the OP Text)

Environmental Protection Lands (Constraint Overlay)

- Regulatory Floodline
- Organic Soils
- Unstable Slope

MOECC Identified Closed Waste Site (Approximate Location):

- Closed Waste Site

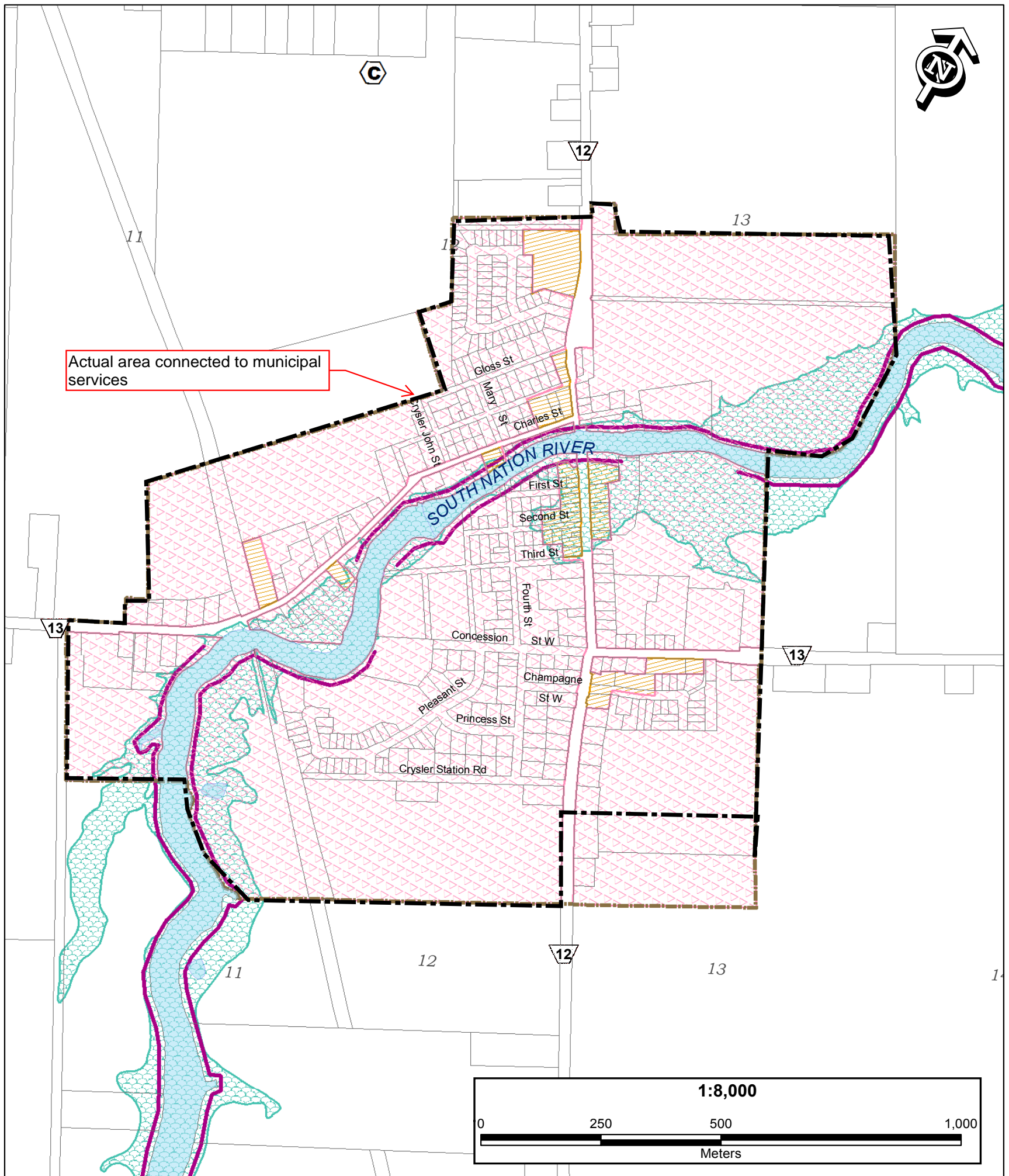
Infrastructure

- Communal Well
- Hospital
- Sewage Lagoon

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SCHEDULE A3b

Crysler



LEGEND

Boundaries (Land Use Designation)

- Urban Settlement Area
- Urban Service Limit

Settlement Areas (Land Use Designation)

- Residential District
- Commercial District
- Employment District
- Provincially Significant Wetland
- Salvage Yard District
- Major Open Space
- Airport District
- Special Land Use District (See Table 9.1.2 of the OP Text)

Environmental Protection Lands (Constraint Overlay)

- Regulatory Floodline
- Organic Soils
- Unstable Slope

MOECC Identified Closed Waste Site (Approximate Location):

- Closed Waste Site

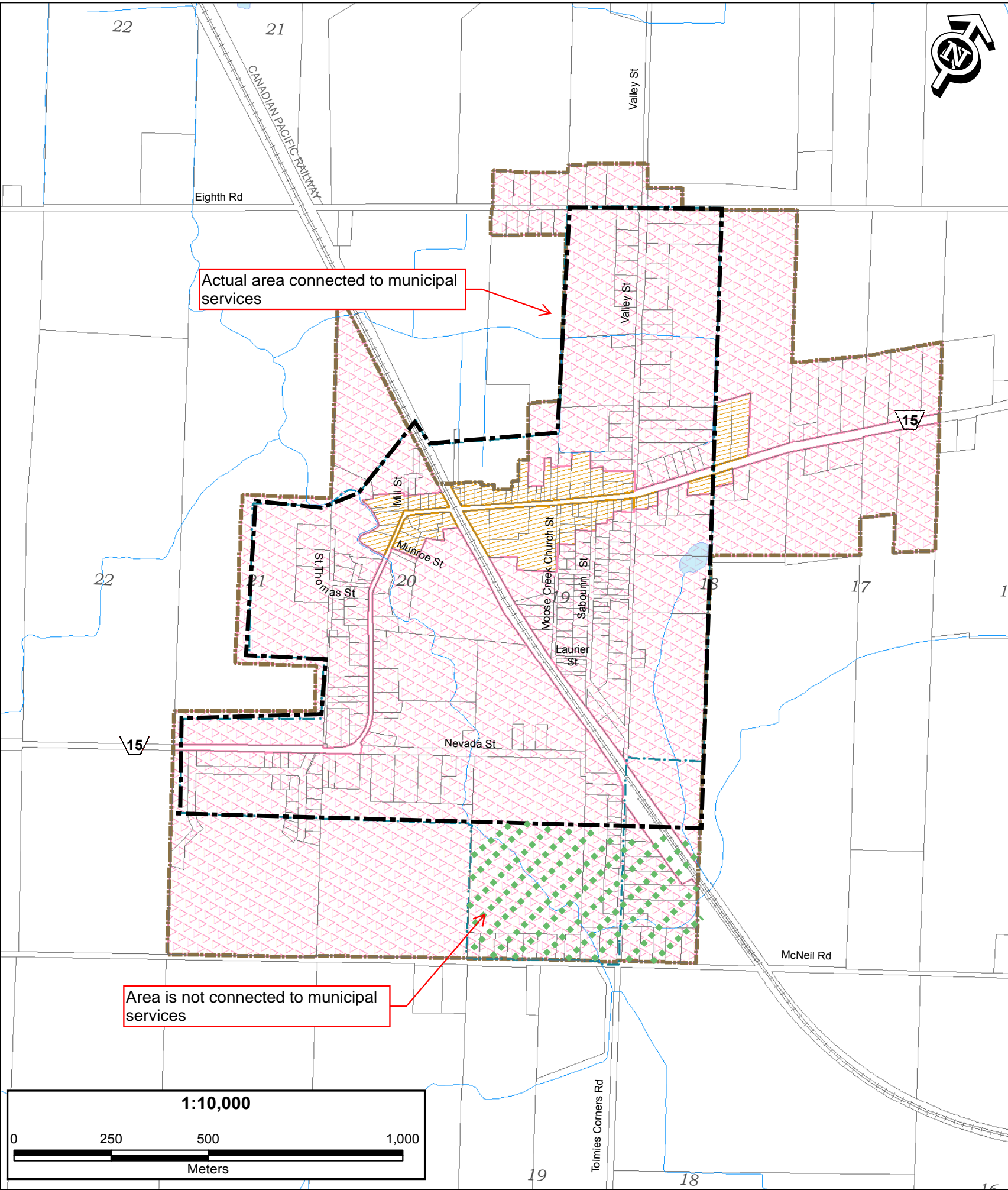
Infrastructure

- Communal Well
- Hospital
- Sewage Lagoon

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SCHEDULE A3c

Moose Creek



LEGEND

Boundaries (Land Use Designation)

- Urban Settlement Area
- Urban Service Limit

Settlement Areas (Land Use Designation)

- Residential District
- Commercial District
- Employment District
- Provincially Significant Wetland
- Salvage Yard District
- Major Open Space
- Airport District
- Special Land Use District (See Table 9.1.2 of the OP Text)

Environmental Protection Lands (Constraint Overlay)

- Regulatory Floodline
- Organic Soils
- Unstable Slope

MOECC Identified Closed Waste Site (Approximate Location):

- Closed Waste Site

Infrastructure

- Communal Well
- Hospital
- Sewage Lagoon

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TOWNSHIP OF NORTH STORMONT
2024 TREASURER'S STATEMENT OF MONIES PAID TO
ELECTED OFFICIALS OF THE TOWNSHIP OF NORTH STORMONT


WHEREAS the Municipal Act, section 284(1) requires the Treasurer to provide Council with an itemized statement of remuneration and expenses paid in the previous year to each member of council for their duties as a council member, officer, and/or a member of a local board.

WHEREAS said statement must be supplied to the Council on or before March 31st of the following year.

THEREFORE I, Kimberley Goyette, Treasurer of the Township of North Stormont, do hereby provide Council with the following statement of monies paid to each member as an elected official and/or officer of The Corporation of the Township of North Stormont.

Authorization of Remuneration Under By-Law # 28-2024, revised under By-Law 70-2024	Mayor	Deputy Mayor	Councillor	Councillor	Councillor	Total
	Francois Landry	Steve Densham	Adrian Bugelli	Alison McDonald	Charles Shane	
Annual Remuneration	35,184.56	29,352.79	18,618.43	20,171.85	20,171.85	123,499.48
Committee Meetings	1,175.00	625.00		550.00		2,350.00
Sub-total	\$ 36,359.56	\$ 29,352.79	\$ 18,618.43	\$ 20,721.85	\$ 20,171.85	\$ 125,849.48
OMERS	3,265.91	2,746.81	1,675.61	1,848.17	1,873.19	11,409.69
Conference Registrations	1,916.21	1,795.04	880.22	992.16	880.22	6,463.85
Conference Expenses	1,487.45	2,576.48	374.15	2,062.69	2,270.37	8,771.14
Per Diem	2,206.79	2,420.79	1,558.90	214.00	2,617.12	9,017.60
Warden's Dinner	144.08	144.08	144.08	72.05		504.29
Mileage	339.78	506.17		120.05		966.00
County Reimbursement	(4,562.01)	(4,562.01)				(9,124.02)
2024 TOTALS	\$ 41,157.77	\$ 34,980.15	\$ 23,251.39	\$ 26,030.97	\$ 27,812.75	\$ 153,858.03

Council Salary	123,499.48	1-4-1000-1020
Meetings	1,350.00	1-4-1000-1020
OMERS	11,409.69	1-4-1000-1053
Mileage	966.00	1-4-1000-1500
Council Functions	15,632.86	1-4-1000-1700
Committee of Adjustment	1,000.00	1-4-8125-2020
	\$153,858.03	


 Kimberley Goyette, Treasurer

 Date

THE CORPORATION OF THE TOWNSHIP OF NORTH STORMONT

BY-LAW NO. 21-2025

BEING a By-law to adopt, confirm and ratify matters dealt with by resolution.

WHEREAS the *Municipal Act, 2001*, c. 25 s. 5 (1) provides that the powers of a municipal corporation are to be exercised by its Council;

AND WHEREAS the *Municipal Act, 2001*, c. 25 s. 5 (3) provides that the powers of every council are to be exercised by By-law;

AND WHEREAS in many cases, action which is taken or authorized to be taken by the Township of North Stormont does not lend itself to the passage of an individual By-law.

NOW THEREFORE the Council of the Corporation of the Township of the North Stormont hereby enacts as follows:

1. That the actions of Council, at its regular meeting held on March 11, 2025 in respect of which recommendations, each motion and resolution passed and taken by the Township of North Stormont is, except where the prior approval of the Local Planning Appeal Tribunal or other authority is required, hereby adopted, ratified and confirmed as if all such proceedings were expressly embodied in this By-law.
2. That where no individual By-law has been or is passed with respect to the taking of any action authorized in or by the above-mentioned minutes, then this By-law shall be deemed for all purposes to be the By-law required for approving and authorizing and taking of any action authorized therein and thereby required for the exercise of any powers therein by the Township of North Stormont.
3. That the Mayor and the appropriate officers of the Township of North Stormont are hereby authorized and directed to do all things necessary to give effect to the actions of the Council of the Township of North Stormont, to obtain approvals where required and except as otherwise provided, the Mayor and CAO/Clerk are hereby directed to execute all documents necessary on behalf of the Corporation of the Township of North Stormont and to affix the corporate seal.

READ A FIRST, SECOND AND THIRD TIME and passed in open Council, signed and sealed this 11th day of March 2025.

François Landry, Mayor

Craig Calder, CAO/Clerk

SEAL