



Karine Pelletier &lt;kpelletier@mcgarry.ca&gt;

#8 (a)

**Have your say on our 2022-2026 AMCTO Strategic Plan**

2 messages

**David Arbuckle, AMCTO Executive Director** <amcto@amcto.com>

Thu, Feb 3, 2022 at 9:30 AM

Reply-To: noreply@amcto.com

To: kpelletier@mcgarry.ca

*Complete our survey by Friday, February 11!*View this email in your [browser](#).[About AMCTO](#) | [Education & Events](#) | [Advocacy & Policy](#)

February 3, 2022

**AMCTO 2022-2026 Strategic Plan Survey**

Hello AMCTO members,

As many of you are aware, AMCTO is in the process of renewing its Strategic Plan for the 2022-2026 timeframe. Since September of last year, the AMCTO Board and staff have been hard at work taking a deep dive into who we are as an Association, how we can improve upon our programs and services while continuing to build our presence as a leader within the municipal sector.

The Strategic Plan process is an excellent opportunity for you, our members, to provide your thoughts on our Association mission, vision, goals and actions. In the Fall of 2021, AMCTO President, Sandra MacDonald, and Vice-President, Elana Arthurs, gathered your feedback through facilitated discussions at all nine AMCTO Zone meetings. Now we would like to hear more from you about your priorities for your Association!

In collaboration with consultants from StrategyCorp Inc., we have developed a **short survey** (5-10 minutes) for you to provide your thoughts on the AMCTO 2022-2026 Strategic Plan. Click on the button below or scan the QR code to access the survey. **The deadline to complete the survey is Friday, February 11 at 5:00 PM ET.**

TAKE SURVEY



On behalf of the AMCTO Board and staff, thank you for your continued patronage and feedback - we value your input and look forward to hearing what you have to say!

Thank you,

A handwritten signature in black ink, appearing to read 'David Arbuckle'.

**David Arbuckle, MPA**  
Executive Director, AMCTO





# 8 (b)

## NEWS RELEASE

### Ontario Moving to Next Phase of Reopening on February 17

#### Improvements in key indicators allowing province to safely ease public health measures sooner

February 14, 2022  
Premier's Office

TORONTO — With key public health and health system indicators continuing to improve, the Ontario government, in consultation with the Chief Medical Officer of Health, is cautiously and gradually easing public health measures sooner, with the next phase of measures being eased on February 17, 2022 at 12:01 a.m.

"Given how well Ontario has done in the Omicron wave we are able to fast track our reopening plan," said Premier Doug Ford. "This is great news and a sign of just how far we've come together in our fight against the virus. While we aren't out of the woods just yet we are moving in the right direction."

Last month, Ontario [released its plan](#) to follow a cautious and phased approach to lifting public health and workplace safety measures if health indicators continued to remain stable and improve. Positivity rates have fallen and new admissions to hospital and ICU have been declining week over week, signalling that the Omicron peak is behind us. Over the coming days and weeks, these trends are expected to continue, allowing the province to safely accelerate its timelines.

"Thanks to the province's high vaccination rates and the continued sacrifices of Ontarians, we are now in a position where we can move forward in our plan earlier than anticipated," said Christine Elliott, Deputy Premier and Minister of Health. "With hospitalizations and ICU admissions continuing to decline, we are committed to maintaining a gradual and cautious approach to protect our hospital capacity and ensure patients can access the care they need when they need it."

#### Effective February 17, 2022

Ontario will further ease public health measures, including, but not limited to:

- Increasing social gathering limits to 50 people indoors and 100 people outdoors
- Increasing organized public event limits to 50 people indoors, with no limit outdoors
- Removing capacity limits in the following indoor public settings where proof of vaccination is required, including but not limited to:
  - Restaurants, bars and other food or drink establishments without dance facilities
  - Non-spectator areas of sports and recreational fitness facilities, including gyms
  - Cinemas
  - Meeting and event spaces, including conference centres or convention centres
  - Casinos, bingo halls and other gaming establishments
  - Indoor areas of settings that choose to opt-in to proof of vaccination requirements.
- Allowing 50 per cent of the usual seating capacity at sports arenas
- Allowing 50 percent of the usual seating capacity for concert venues and theatres



- Increasing indoor capacity limits to 25 per cent in the remaining higher-risk settings where proof of vaccination is required, including nightclubs, restaurants where there is dancing, as well as bathhouses and sex clubs
- Increasing capacity limits for indoor weddings, funerals or religious services, rites, or ceremonies to the number of people who can maintain two metres physical distance. Capacity limits are removed if the location opts-in to use proof of vaccination or if the service, rite, or ceremony is occurring outdoors.

Capacity limits in other indoor public settings, such as grocery stores, pharmacies, retail and shopping malls, will be maintained at, or increased to, the number of people who can maintain two metres physical distance.

In addition, as of 8:00 a.m. on Friday, February 18, 2022, Ontario is expanding booster dose eligibility to youth aged 12 to 17. Appointments can be booked through the [provincial booking system](#) and the Provincial Vaccine Contact Centre, as well as at [select pharmacies](#) administering the Pfizer vaccine. Appointments will be booked for approximately six months (168 days) after a second dose. To book an appointment online, individuals must be 12 years old at the time of appointment.

### Effective March 1, 2022

Ontario intends to take additional steps to ease public health measures if public health and health system indicators continue to improve. This includes lifting capacity limits in all remaining indoor public settings.

Ontario will also lift proof of vaccination requirements for all settings at this time. Businesses and other settings may choose to continue to require proof of vaccination. Masking requirements will remain in place at this time, with a specific timeline to lift this measure to be communicated at a later date.

To manage COVID-19 over the long-term, public health units can deploy local and regional responses based on local context and conditions.

"Thanks to the efforts of Ontarians to help blunt the transmission of Omicron, our health care indicators suggest a general improvement in the COVID-19 situation in the province," said Dr. Kieran Moore, Chief Medical Officer of Health. "We are now in a position to lift more public health measures, but it is important to stay vigilant, as we don't want to cause any further disruption to people's everyday lives. We must continue to prevent the transmission of COVID-19 in our communities by following the measures in place and by vaccinating those who have not yet received their doses."

## Quick Facts

- Due to a steady decline in COVID-19 related hospitalizations and ICU admissions, on February 10, 2022, the government lifted Directive 2 to begin a gradual and cautious resumption of non-urgent and non-emergent surgeries and procedures across the province.
- Since Ontario entered modified Step Two, over 202,000 Ontarians have received a first dose and more than 2,575,000 Ontarians have received their booster.
- To further support the province's cautious easing of public health measures, Ontario is expanding access to free rapid tests, with 5.5 million rapid tests to be distributed each week for eight weeks through pharmacies, grocery stores, and community partners in vulnerable communities.
- Effective January 4, 2022, the use of the enhanced vaccine certificate with QR code and the Verify Ontario app must be used in settings where proof of vaccination is required.
- Download your vaccine certificate by visiting <https://covid-19.ontario.ca/get-proof/>.
- To have your vaccine certificate mailed to you, call the Provincial Vaccine Contact Centre at 1-833-943-3900.
- On January 17, 2022, Health Canada approved the antiviral Paxlovid. Ontario received approximately 10,000 courses of treatment from the federal government in January, with



additional allocations of more than 10,000 courses for February and 33,000 courses for March. Eligibility is currently focused on adults with the highest risk of severe outcomes.

- In response to the highly transmissible Omicron variant, Ontario updated its COVID-19 testing and isolation guidelines. [Learn more](#) about what to do if you have symptoms or have been exposed to COVID-19.

## Additional Resources

- [Ontario Expanding Access to Free Rapid Tests for General Public](#)
- [Ontario Outlines Steps to Cautiously and Gradually Ease Public Health Measures](#)
- [Proof of Vaccination Guidance under the Reopening Ontario \(A Flexible Response to COVID-19\) Act, 2020](#)
- [All Ontarians 18+ Eligible for COVID-19 Booster Appointments at Three-Month Interval](#)
- For public inquiries, please contact the Provincial Vaccine Contact Centre at 1-833-943-3900 (TTY for people who are deaf, hearing-impaired or speech-impaired: 1-866-797-0007).
- For resources in multiple languages to help local communication efforts in responding to COVID-19, visit Ontario's [COVID-19 communication resources webpage](#).
- Businesses that have questions about public health and workplace safety measures can call the Stop the Spread Business Information Line at 1-888-444-3659.

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Services de santé du

**TIMISKAMING**  
Health Unit

Image002.jpg  
167K

Karine Pelletier <kpelletier@mcgarry.ca>

Mon, Feb 14, 2022 at 10:47 AM

To: Matt Reimer <matt4kurl@aol.com>, Wendy Weller <wendyweller2021@gmail.com>, Annie Toupin <annie.toupin.keft2021@gmail.com>, Louanne Caza <louannecaza2021@gmail.com>, Bonita Culhane <bonitaculhane2021@gmail.com>, McGarry Township <mcgarry.township@ntl.sympatico.ca>



#8 (c)

## MEMORANDUM

**TO:** ARB Stakeholders  
Counsel of the Assessment Bar  
Property Tax Representatives  
Municipal Property Assessment Corporation (MPAC)  
Municipalities

**FROM:** Ken Bednarek, Associate Chair and Kelly Triantafilou, Registrar

**DATE:** February 4, 2022

**SUBJECT:** Appeals Resolution Strategy Update – (2017 Assessment Cycle – taxation years 2022, 2023)

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The Assessment Review Board (ARB or Board) is committed to fulfilling its mandate of resolving property assessment disputes within the regular four-year assessment cycle. However, with the recent announcement through the Fall Economic Statement on November 4, 2021, the general reassessment has been postponed for 2023. As the general reassessment for the 2021, 2022 and 2023 taxation years has been postponed, the common understanding is that the current assessment cycle has increased to a seven year assessment cycle with the valuation date remaining January 1, 2016.

We are writing to advise you of our expectations in resolving appeals before the next assessment cycle, including newly filed appeals. We recognize that the next assessment cycle could see an increased number of appeals, resulting in more appeals being commenced every month.

### Current Statistics:

As of January 1, 2022, the Board has a total of 22,340 outstanding appeals against 6,175 properties, broken down as follows:

- 7,505 original assessment appeals
- 14,835 deemed assessment appeals
- 742 tax appeals

The Board continues to evaluate its caseload and improve processes that were established at the beginning of 2017. Building on the Board's successes to date, with a continued focus on our digital-first approach to providing services, please note the following updates:

- **New Rules of Practice and Procedure** came into effect on April 1, 2021. The Board provided a consultation period from October to November 2020 for stakeholders to provide feedback and/or recommendations on updates made to the Rules. This feedback resulted in reducing the schedule of events for the general proceeding





stream (i.e. all appeals apart from residential, farm or managed forest property) from 66-104 weeks to 40-49 weeks.

- **Commencement Dates, Schedule of Events:** The Board is considering a strategy to assign a last assigned commencement date for each taxation year. This will ensure that we build in time for the resolution of appeals. The Board is also reviewing the possibility of no further changes and/or extensions to the schedule of events.
- **2022/2023 Appeals:** Upon request, all newly filed appeals for 2022 and 2023 can be assigned an expedited schedule of events. This schedule would only apply where there are no current active appeals for a property.
- **Hearing Plan Guideline:** The Board is currently developing a Hearing Plan Guideline to establish default allotments of time for examination of a witness (examination in chief, cross-examination, and reply, as well as any challenges to qualifications of an expert witness). As part of their settlement conference briefs, parties will be required to provide the Board with a list of their witnesses. At the settlement conference, a party may request additional time for examination of a particular witness, which must be approved by the Board. This measure will ensure efficiency of the hearing process.
- **Written Submissions:** Effective April 1, 2022 the Board will require that closing submissions for all general proceeding hearings be made in writing for all hearings that are scheduled for more than one day. Upon completion of hearing evidence, the Presiding Member will set a schedule for serving and filing the written submissions. For hearings scheduled less than one day, and for all summary proceeding hearings (i.e. appeals classified as residential, farm or managed forest), the requirement to provide written submissions will be at the discretion of the Presiding Member.
- **Legacy Appeals Initiative:** The Board is currently reviewing all outstanding appeals and where there has been no indication of settlement or where timelines appear to have lapsed, the Board will schedule a full hearing to adjudicate the matter. As of January 1, 2020, there were approximately 7,600 legacy appeals (i.e. appeals filed before the 2017-2021 assessment cycle) and at the beginning of this year, only 132 legacy appeals remain.
- **Tax Appeals:** Where a tax appeal is currently assigned to the general proceeding stream along with Assessment Act appeals, and the Assessment Act appeals are resolved, the Board will assign an earlier due date for filing documents to be relied on at the hearing, and schedule a summary proceeding hearing.
- **Deeming:** Any appeal proceeding that has not been resolved by March 31, 2022, will be deemed to have a 2022 appeal. The same principle applies for the 2023 appeals. All decisions that the Board issues will be applied against all appeals including deemed appeals.



- **Active Appeals:** The Board will continue to review all outstanding appeals to determine whether a case conference should be scheduled or whether the Board can set tighter timelines for the appeals.
- **Hearing Months Assigned:** All current appeals assigned to be heard by general or summary proceeding have been assigned a hearing month. Where a hearing is necessary, the parties are expected to proceed with the hearing by the assigned hearing month. Parties may request a hearing at a later date by completing an Expedited Board Directions Form. This request must be submitted within one week of the completion of the settlement conference. Where the request is granted, the Board will schedule the hearing event.
- **Hearing Timelines:** All current appeal proceedings assigned to be heard by general proceeding, which are not resolved at the Mandatory Meeting stage, will be scheduled to a settlement conference within eight weeks of the Mandatory Meeting Form due date. If the appeal is not resolved at the settlement conference, the hearing will be scheduled within eight weeks. Unless the parties have complied with the Board's Rules to elect to obtain additional expert reports, the Board requires that all parties complete all their pre-hearing work, including the exchange of disclosure, no later than the due date for filing the Mandatory Meeting Form.
- **E-filing:** Remember to e-file your appeals. Effective January 1, 2022, the Board only accepts e-filed assessment appeals and emailed tax appeals.
- **Appeal Payment Options:** Effective January 1, 2022, the ARB will no longer accept payment by way of certified cheques or money orders. The use of personal cheques was discontinued earlier this year.
- **Ongoing Digital Improvements:** Where it can, the Board will continue to reduce the use of paper documents, improve and update its processes and systems, work with parties to modernize the transfer of information, and explore ways to improve the use technology to provide faster and more efficient services.
- **Efficiencies:** The Board is currently undertaking a full review of its processes and timelines. It is also evaluating the current cycle and will establish new metrics to measure the effectiveness and timely resolution of appeals before the next cycle.

### **Expectations:**

The Board's goal based on the Government's announcements through the Economic Statement March 2020, Ontario Budget 2021 and the Fall Economic Statement November 2021, is to resolve at least **90%** of all appeals before the beginning of the next assessment





cycle. The Board expects that all parties will continue to work collaboratively to negotiate a resolution of their appeals.

The Board requests that all representatives review their active caseloads to assess whether there is any opportunity to expedite the completion of an appeal proceeding. If so, please contact the Registrar or submit a request for an Expedited Board Direction.

The Board will, where necessary, start scheduling hearings to ensure that appeals are adjudicated, and the matter is resolved.

As the next assessment cycle approaches, the Board will issue an updated Appeals Resolution Strategy for Active Appeals. The Board looks forward to working with all stakeholders to resolve appeals in a timely manner and appreciates your commitment and dedication in achieving this goal.

Thank you

Ken Bednarek  
Associate Chair

Kelly Triantafilou  
Registrar



#8 (d)

**District of Timiskaming Social Services Administration Board**  
**Conseil d'administration des services sociaux du district de Timiskaming**  
[www.dtssab.com](http://www.dtssab.com)

February 22, 2022

Township of McGarry  
P.O. Box 99, 27 Webster Street  
Virginiatown, ON  
P0K 1X0

Attn: Karen Pelletier

Dear Karen:

Please find enclosed in your budget package, the following budget documents:

- a) 2022 Budget
- b) 2022 Apportionment of Costs Using the 2022 Budget
- c) Municipal Billings 2022

In 2022, as in every year, the DTSSAB is cognizant of the impact of our budget on our municipal partners. We diligently work on maximizing the financial contributions from senior levels of government to minimize the impact on your municipal budget. This year, the DTSSAB is faced with an increase in the municipal apportionment of \$330,479 or 5.03% compared to the 2021 budget.

We strive to achieve a 0% increase for municipalities and have been able to achieve that goal many times over the past several years by using funds from our reserves to keep municipal costs down. This year the Board used \$200,000 from the working fund reserve to reduce the costs to municipalities by approximately 50%, resulting in an overall budget increase of 2.62%. For 2022 \$158,069 was applied to offset municipal costs and \$41,931 was applied towards costs for unincorporated townships.

Therefore, the apportionment cost to the Township of McGarry will be as follows:

2022 Apportionment	\$119,096	2021 Apportionment	\$117,588
Reserve Contribution	\$ 2,728	Reserve Contribution	\$ 2,304
2022 Owed to DTSSAB	\$116,368	2021 Owed to DTSSAB	\$115,284

Overall, your township will see a billing increase of \$1,084 or 0.94% over your 2021 billing. As per our past procedure, you will receive monthly invoices for your 2022 payment in the immediate future.

If you have any questions in regards to our budget figures, they can be directed to Kelly Black at 705-567-9366 ext. 3253 or [blackk@dtssab.com](mailto:blackk@dtssab.com).

Yours sincerely,



Derek Mundle  
Chair



#10 (a)

325 Farr Drive  
P.O. Box 2050  
Haileybury, Ontario P0J 1K0



Tel: (705) 672-3363  
Fax: (705) 672-2911  
[www.temiskamingshores.ca](http://www.temiskamingshores.ca)

January 31, 2022

Attn: Mayor and Council

At our last TeMAG meeting, we had a lengthy discussion on the issue of Boreal Forest Medieval Villages springing up across the District of Timiskaming. Presently there are sites on Long Lake and Swan Lake, as well as on Keith Lake in the Cochrane District.

An investment group collectively purchases a large tract of unorganized property with lake access, then divides the property amongst themselves into 75' x 75' lots. No plans of subdivision, environmental impact studies, building permits, are required, as they are located in Unorganized Townships. Under 700 sq ft cottages, cabins, tiny homes, container homes, straw bale homes, etc. are promoted with no supply of pressurized water, utilizing compost toilets (no Black or Grey water septic systems), and the use of local water resources. They also encourage raising personal livestock and growing vegetables for community use.

With each property being between 200 and 450 acres in size, divided up into 1/2 acre lots, we have the possibility of over a thousand households with an influx of 2500 new residents requiring social services in our District. With minimal taxes being paid on these properties in unorganized townships, we foresee a major drain on our social services, including our hospitals and emergency services.

The founders of these Boreal Forest Medieval Villages have found loop holes in the Ontario Planning Act, Ministry of Environment and Local Health Unit regulations, and are leading their investors into uncharted waters.

TeMAG is urgently asking all Timiskaming District councils to forward the attached draft resolution, asking the Ministries of Municipal Affairs and Environment to get involved, in requiring planning and environmental safeguards to be put in place, for these new residents, and the surrounding municipalities in the District of Timiskaming.

If we all work together, hopefully we can avoid a major environmental disaster in our region. If you have questions please contact Lois Perry (TMA Chair) or myself.

Sincerely

Carman Kidd  
TeMAG Co-Chair  
[ckidd@temiskamingshores.ca](mailto:ckidd@temiskamingshores.ca)  
705-672-3363 ext. 4103

Whereas developments known as "Boreal Forest Medieval Villages" are being proposed in unincorporated townships within the District of Timiskaming; and

Whereas the developers' of these "villages" are promoting the fact their developments are not subject to zoning by-laws, building permits, planning policies or other municipal/provincial regulations; and

Whereas the Provincial Policy Statement, 2020 states "in territories without municipal organization the focus of development activity shall be related to the sustainable management or use of resources and resource-based recreational uses"; and

Whereas the Provincial Policy Statement, 2020 further states that the development of new permanent townsites within territories without municipal organization shall not be permitted; and

Whereas matters relating to territories without municipal organization are under the sole jurisdiction of the Province of Ontario; and

Whereas the scale of these developments in the unincorporated townships poses a significant concern for the incorporated municipalities in the District of Timiskaming including;

- Demand for services such as landfill, fire protection, police protection and social services;
- Increase demand on our emergency and medical services such as EMS and local hospitals (who are already dealing with capacity issues);
- Environmental impacts to watersheds and groundwater sources.

Now therefore be it resolved that the Township/Town/City of \_\_\_\_\_ hereby petitions the Honourable Steve Clark, Minister of Municipal Affairs and Housing to immediately enact a Minister's Zoning Order under the Planning Act for each of the proposed "Boreal Forest Medieval Village" developments in order to ensure proper planning principles are being adhered to by the developers and that their developments are consistent with the Provincial Policy Statement, 2020; and

Further that a copy of this resolution be forward to the Honourable David Piccini, Minister of the Environment, Conservation & Parks; the Honourable Greg Rickford, Minister of Northern Development, Mines Natural Resources & Forestry; John Vanthof, MPP for Timiskaming-Cochrane; the Temiskaming Municipal Association; the Temiskaming Mayors' Action Group; and the Federation of Northern Ontario Municipalities.

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Whereas the Provincial Policy Statement, 2020 further states that the development of new permanent townsites within territories without municipal organization shall not be permitted; and

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## **MCGARRY PUBLIC LIBRARY BOARD**

### **Minutes**

Minutes of the regular meeting held at 6:30 p.m. on Monday, November 29, 2021, at the McGarry Public Library.

**PRESENT:** Margo Jolette (Chairperson, presided)  
Francine Plante, co-chair  
Merdy Armstrong, trustee  
Louanne Caza, council representative

**ABSENT:** Wendy Weller, council representative

**STAFF:** Erika Baillargeon

**1. Conflicts of interest**

No conflicts of interest were declared

**2. Approval of Agenda**

2021:32 Moved by Louanne Caza  
Seconded by Erika Baillargeon  
Carried

That the agenda be  
be approved as presented.

**3. Minutes of the meeting of October 25, 2021**

2021:33 Moved by Francine Plante  
Seconded by Merdy Armstrong  
Carried

That the minutes of the  
meeting of 10/25/2021  
be approved.

**4. Business arising from the minutes**

- CEO has received updated Covid 19 safety plan from township. It will be used as our safety plan.
- Fundraising with Epicure products will begin. For each 25 \$ kit sold, 10 \$ will be returned to the library.
- Code is available to organise online participation with Google meet. CEO is doing final adjustments.

- Agendas and minutes of meetings will be forwarded to council.

## **5. Correspondence**

Librarian reported that the provincial grant for libraries has been received.

## **6. Treasurer's Report**

2021:34	Moved by Merdy Armstrong Seconded by Louanne Caza Carried	That the financial report be accepted as presented.
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## **7. Board Chairperson Report / CEO Report**

- The library will close on December 23, 2021 and will reopen to the public on January 2, 2022. During the closure, the librarian will be doing some changes to the shelving arrangement with the help of volunteers.
- CEO has sent an email to the township clerk regarding the entrance to the library. It is very slippery. It was suggested that a ramp could be installed to facilitate navigating the entrance.

## **8. Other Business**

- A handbook to be prepared for board members and council representatives will continue to be prepared in the new year.
- We are still awaiting quotes for Director Liability insurance. For the moment, the proposal from Intact insurance for content and general liability is acceptable to the group. As the final quotes come in, the issue will be settled as per the motion and attached documents.

2021:35 Moved by Erika Baillargeon  
Seconded by Merdy Armstrong

That the Board purchase general liability insurance, preferably from Intact insurance, contingent on being insured for director liability insurance by Hub insurance. If that is not the case, we will apply for Mr. Grubb's total package, as per documents attached to this motion.  
Carried

**9. Closed meeting**

2021:36	Moved by Francine Plante Seconded by Louanne Caza Carried	That the Board go into closed session at 7:35 p.m.
2021:37	Moved by Louanne Caza Seconded by Francine Plante Carried	That the Board come out of closed session at 8:00 p.m.

Board members reviewed documentation on incorporation.

**10. Next meeting**

The next regular meeting will be on Monday, January 31, 2022 at 6:60 p.m.  
at the McGarry Public Library.

**11. Adjournment**

2021:38	Moved by Erika Baillargeon	That the meeting be adjourned at 8:05 p.m.
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Chairperson \_\_\_\_\_

Secretary \_\_\_\_\_

Approved \_\_\_\_\_

# **AGENDA**

## **Regular Meeting**

**Monday, November 29, 2021**

**McGarry Public Library, 6:30 p.m.**

1. Opening of Meeting
2. Declaration of Conflicts of Interest
3. Approval of Agenda
4. Minutes of meeting 10/25/2021
5. Business arising from the minutes
  - Covid 19
  - Fundraising
  - Google meet
  - Agenda and minutes for Council
6. Correspondence
7. Treasurer's Update
8. Board chairperson's report
9. Chief Executive Officer's report
10. Other Business
  - Handbook preparation
  - Dealing with Covid: vaccination policy; safety plan
  - Insurance
  - Holiday schedule
11. Closed meeting
12. Next meeting
  - January 31, 2022, 6:30 p.m.
13. Adjournment

# 10 (c)

Minutes of the **Tourist Committee Meeting** held on Wednesday November 3<sup>rd</sup> 2021, at 7:00 p.m.

**PRESENT:**

**CHAIR:** Louanne Caza  
**CO-CHAIR:** Wendy K. Weller

**MEMBERS:** Wilhelmina Reimer

**ABSENT WITH REGRET:** Colinda Kowbassa  
Abbigail Keft

**ALSO PRESENT:** Melanie Jensen  
2 members of the public

**1. Opening of Meeting by the Chair / Attendance**

Chair Louanne Caza called the meeting to order at 7:00 p.m. and took a roll call.

**2. Appointment of Recording Secretary**

**2021-20**  
**Recording Secretary**

**Moved by** Wilhelmina Reimer  
**Seconded by** Louanne Caza

THAT Wendy K. Weller be appointed as Recording Secretary for the Tourist Committee Meeting for November 3<sup>rd</sup>, 2021.

**Carried**

**3. Additions/Deletions/Adoption of Agenda**

**2021-21**  
**Adoption of Agenda**

**Moved by** Wendy K. Weller  
**Seconded by** Wilhelmina Reimer

THAT the agenda for the Tourist Centre Committee Meeting held on November 3<sup>rd</sup>, 2021 be adopted.

**Carried**

**4. Disclosure of Conflict of Interest**

None

**5. Adoption of Minutes of previous meeting**

**2021-22**

**Adoption of Minutes**

**Moved by** Wilhelmina Reimer

**Seconded by** Wendy K. Weller

THAT the minutes of the Tourist Committee Meeting held on October 6<sup>th</sup> and October 18<sup>th</sup>, 2021 be adopted.

**Carried**

**6. Matters Arising from the minutes**

None

**7. Deputations**

Recreation Committee

**8. Correspondence**

None

**9. Committee members report**

Christmas Tree Lighting party starts at 5pm, Tree Lighting at 5:30 pm, no parking in Tourist parking lot, non perishable food items for food hampers can be dropped off during the event a hamper will be set up inside Tourist Centre.

Recreation is in charge of the Christmas party and Santa.

Posters will be done by office staff.

Early childhood education voted down.

**10. New Business**

- a) Tree Lighting – Decorating inside on Tuesday November 16<sup>th</sup>, 2021
- b) Christmas Party – Recreation will be taken care of that part of the party.
- c) Memory Angels/bulbs – We have decided to go with Memory Angels
- d) Food Hampers – We will be putting out Donation box for the food hampers.
- e) Money to be donated- McGarry Christmas Food Hampers. Cheques can be made out to Wendy Weller and Ivan Pike. Cut off date for angels is on December 20<sup>th</sup>, 2021.



**Moved by Wilhelmina Reimer**  
**Seconded by Louanne Caza**

**2021-23**  
**Food Hampers**

THAT all proceeds from the sales of the Memory angels be donated to the McGarry Christmas Food Hamper. Make cheques payable to Wendy Weller & Ivan Pike.

**Carried**

**11. a) Submitted questions**  
None

**b) Audience questions**  
None

**12. Closed Meeting**  
None

**13. Adjournment**

**Moved by Wilhelmina Reimer**  
**Seconded by Wendy K. Weller**

**2021-24**  
**Adjournment**

THAT this meeting be adjourned at 7:30 p.m.

**Carried**

  
\_\_\_\_\_  
Chair – Tourist Centre Committee  
Louanne Caza

The next meeting of the Tourist Committee will be held at the call of the Chair.

#10 (d)

Minutes of the **Recreation Committee Meeting** held on Tuesday November 2<sup>nd</sup>, 2021 at 7:00 p.m.  
via electronic attendance, Virginiatown, Ontario.

**PRESENT:**

<b>CHAIR:</b>	Bonita Culhane
<b>CO-CHAIR:</b>	Annie Toupin-Keft
<b>MEMBERS:</b>	Colette Tardif
<b>ABSENT WITH REGRETS</b>	Bastiaan Koomans Paulette Paquet
<b>ONLINE</b>	5 members of the public
<b>AUDIENCE:</b>	Melanie Jensen

**1. Call to Order:**

Chair Bonita Culhane called the meeting to order at 7:00 p.m.

**2. Appointment of Recording Secretary**

Moved by Annie Toupin-Keft  
Seconded by Bonita Culhane

**2021-11**  
**Recording Secretary**

THAT Colette Tardif be appointed as Recording Secretary for the Recreation Committee Meeting of November 2<sup>nd</sup>, 2021.

Carried

**3. Additions/Deletions/Adoption of Agenda:**

Moved by Annie Toupin-Keft  
Second by Bonita Culhane

**2021-12**  
**Adoption**

THAT the agenda for the Recreation Committee Meeting held on November 2<sup>nd</sup> 2021, be adopted.

Carried

**4. Declaration of Conflict of Interest**  
None

**5. Adoption of the Minutes:**

Moved by Colette Tardif  
Seconded by Annie Toupin-Keft

**2021-13**  
**Adoption of Minutes**

THAT the minutes of the Recreation Committee meeting held on September 21<sup>st</sup> 2021 be adopted.

Carried

**6. Matters Arising from the minutes**

None

**7. Deputation**

-Tourist Committee

**8. Correspondence**

- Letter from Tourist Committee Regarding selling angels from memory Tree.

**9. Committee members report**

None

**10. New Business**

- Community Centre Cleanup

Should be done sooner then later.

-Physical Inventory

Will be done before hoping before the end of January 2022.

-Plans for reopening

No plans at the moment due to Covid-19.

**11. a) Submitted questions**

None

**b) Audience questions**

None

**12. Closed Meeting**

None

**13. Adjournment**

Moved by Annie Toupin-Keft  
Seconded by Colette Tardif

**2021-14  
Adjournment**

THAT this meeting be adjourned at 7:29 p.m.

Carried

  
Chair - Recreation Committee



Meet again at the call of the Chair.



Minutes of a Emergency Management Planning Committee held on Friday, February 18<sup>th</sup>, 2022 at 10:30 a.m. via Teleconference call.

**1. Opening of Regular Meeting by the Head of Council**

The Mayor called the meeting to order at 10:30 a.m. and welcomed those in attendance.

**2. Roll Call:** The Mayor took a roll call

<u>Attendance:</u>	<u>Present</u>	<u>Absent</u>
Clerk-Treasurer Karine Pelletier	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CEMC – Melanie Jensen	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Works Foremen- Gordon Caza	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Chief – Neil Albright	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mayor Matt Reimer	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Members of the audience present: 1

**3. Adoption of the Agenda and Addendum:**

Moved by Neil Albright  
Seconded by Melanie Jensen

**01/2022**  
**Adoption of Agenda**

THAT the agenda for the Emergency Management Committee Meeting held on February 18<sup>th</sup>, 2022 be adopted with addition of 10 (c) Evacuation Planning Request for Municipal Support to EMO's Preparation for the 2022 Flood and Wildland Fire Season.

Carried

**4. Disclosure of Pecuniary of Interest: None**

**5. Minutes of Previous Meetings:**

Moved by Melanie Jensen  
Seconded by Neil Albright

**02/2022**  
**Previous Minutes**

THAT the minutes for the Emergency Management Committee meeting held on January 5<sup>th</sup>, 2021 be adopted.

Carried

**6. Matters arising from the minutes: None**

**7. Deputations / Delegations : None**

**8. Correspondance, Information : None**

**9. Members Update Reports: None**

**10. New Business:**

- A discussion took place regarding communication during Emergencies.

Moved by Gord Caza  
Seconded by Neil Albright

**03/2022**  
**Satellite Phones**

THAT the Committee looks into purchasing satellite phones for Emergencies.

Carried

**11. a) Submitted Questions : None**

**b) Audience Questions: None**

**12. Closed Meeting: None**



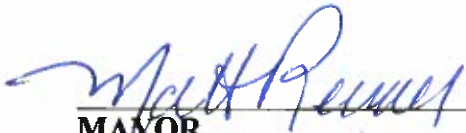
**13. Adjournment:**

Moved by Neil Albright  
Seconded by Melanie Jensen

**04/2022  
Adjournment**

That this meeting be adjourned at 11:05 a.m.

Carried

  
\_\_\_\_\_  
MAYOR

  
\_\_\_\_\_  
CLERK-TREASURER

# 10 (9)

**Strategic Planning Committee Meeting, Tuesday, November 23<sup>rd</sup> , 2021 at 7:00 p.m.**

**PRESENT:**

**CHAIR:**

Councillor Wendy K. Weller

**CO-CHAIR:**

Councillor Bonita Culhane

**COMMITTEE MEMBERS:**

Nyla Koomans

John Gabourie

Francine Plante

**AUDIENCE:**

Clerk-Typist Receptionist Melanie Jensen  
members of the public

**1. Call to Order**

Chairperson Wendy K. Weller called the meeting to order at 7:00 p.m. and welcomed everyone in attendance.

**2. Appointment of Recording Secretary**

Moved by Nyla Koomans

**2021/17**

Seconded by Bonita Culhane

**Appointed secretary**

THAT, Francine Plante be appointed recording secretary for the Strategic Planning Committee of November 23<sup>rd</sup>, 2021.

Carried

**3. Additions/Deletions/Adoption of Agenda**

Moved by Nyla Koomans

**2021/18**

Seconded by John Gabourie

**Adoption**

THAT the agenda for the Strategic Planning Committee meeting held on November 23<sup>rd</sup> , 2021 be adopted.

Carried

**4. Declaration of Conflict of Interest:**

None

## **5. Adoption of Minutes**

Moved by Nyla Koomans  
Seconded by Bonita Culhane

**2021/19  
Adoption**

THAT the minutes of the Strategic Planning Committee held on August 31<sup>st</sup>, 2021 and September 28<sup>th</sup>, 2021 be adopted.

Carried

## **6. Matters arising from the Minutes:**

-Co-Chair Culhane reported that there was to be reports to be addressed from the previous minutes of September 28<sup>th</sup>, 2021 item 10.

- Chair Weller replied that these reports were already addressed.

-Co-Chair Culhane replied that these reports should be stricken from the minutes.

## **7. Deputations/Delegations:**

None

## **8. Correspondence:**

None

## **9. Committee members report:**

None

## **10. New Business**

- a) Update to Zoning. Waiting on JL Richardson for a report and waiting as to when will do another meeting with the committee and the public.
- b) Forming another Property Standards By-Law committee, it has been mentioned to council and they feel it is not required at this time. The Strategic Planning committee will get a council report ready with the proper documentation for February's council meeting.
- c) Storage Unit – Member John Gabourie feels that to start up a business of storage unit will cost close to 1 million dollars. The cost of land, insurance, drainage, foundation, etc. Who will have the funds to do so? Chair Weller replied that it was an idea and she feels it would be a well used business. It was agreed by all that the idea be put to bed.
- d) John's presentation – Monopoly game. John showed us a Monopoly game from where he use to live called Oshawapoly. He explained that we can make one for our community called McGarrypoly and that we can make a good profit by selling these games. The more we sell the cheaper we can get them. We can have all the street names in the game.

For example : instead of going to jail we could go down a mine shaft. We can make the game relatable to McGarry.

- Co-Chair Culhane replied that she is not sure if this idea is for the Strategic Planning Committee. We could start and then team up with the proper committee.

- Chair Weller replied that we can write a report on this great McGarrypoly idea and then council could decide where the money would go. We could put John at the next council meeting to present this idea and see what council says.

- e) Advertising for business – Chair Weller stated that she is always hearing on the radio advertisements of what communities have to offer and all the business in other communities. Chair Weller asked Co-chair Culhane if we ever had a promotional package put together to advertise our community. Co-Chair Culhane stated that there has not been a [package of that sort done before but that we would need to clean up our community before we go ahead with this package. Chair Weller replied that she agrees but we could start on the package.

- f) Member Francine Plante made a presentation regarding a resident post on social media Facebook regarding a Loose Parts Parks. A loose parts park is for sensory play in children. The idea would be great as it would next to nearly cost nothing to build. Materials can be found at the dump. The resident talked about the tennis ground for location but members agreed that the park located in North-Virginiatown would be great location as some park equipment has been taking from that park to make another playground near the community complex therefore leaving plenty of space to create this loose parts park.

- Chair Weller replies that Strategic Planning Committee can do the basic to get this project going then we can pass it on to council so council can pass on to proper committee which will probably be the Recreation Committee.

- Member John Gabourie stated that this is a good idea and we need more things to do in our community and we need more things to get the kids together.

- Co-Chair Culhane replied that council will need to see plans for this project, the type of equipment and how it would benefit the children.

- Member Nyla Koomans replied that she is in favor for anything that brings children together.

-Chair Weller replied that we will bring this to council with a well documented report. Council will decide which committee will take this project.

## **11. Question Period**

- a) Audience question;  
None
- b) Submitted questions:  
None

## **12. Closed Meeting**

None

## **13. Adjournment**

Moved by Nyla Koomans  
Seconded by John Gabourie

**2021 /20  
Adjournment**

THAT this meeting be adjourned at 7:49 p.m.

Carried



Chair, Strategic Planning Committee

Next meeting will be held Tuesday, October 28<sup>th</sup> , 2021 @ 7:00 p.m.

#10 (h)



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

Virginiatown-Kearns Drinking Water System

# 2021 ANNUAL/SUMMARY REPORT

Prepared by the Ontario Clean Water Agency  
on behalf of the Township of McGarry



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**Figure 2 – Historical Water Usage Trends (2017 to 2021)**

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**APPENDIX B – Monthly Summary of Operational Data**



## INTRODUCTION

Municipalities throughout Ontario have been required to comply with Ontario Regulation 170/03 made under the *Safe Drinking Water Act* (SDWA) since June 2003. The Act was enacted following recommendations made by Commissioner O'Conner after the Walkerton Inquiry. The Act's purpose is to protect human health through the control and regulation of drinking water systems. O. Reg. 170/03 regulates drinking water testing, use of licensed laboratories, treatment requirements and reporting requirements.

Section 11 of Regulation 170/03 requires the owner to produce an Annual Report. This report must include the following:

1. Description of system & chemical(s) used
2. Summary of any adverse water quality reports and corrective actions
3. Summary of all required testing
4. Description of any major expenses incurred to install, repair or replace equipment

This annual report must be completed by February 28th of each year.

Schedule 22 of the regulation also requires a Summary Report which must be presented & accepted by Council by March 31<sup>st</sup> of each year for the preceding calendar year.

The report must list the requirements of the Act, its regulations, the system's Drinking Water Works Permit (DWWP), Municipal Drinking Water Licence (MDWL), Certificate of Approval (if applicable), and any regulatory requirement the system failed to meet during the reporting period. The report must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

The *Safe Drinking Water Act* (2002) and the drinking water regulations can be viewed at the following website: <http://www.e-laws.gov.on.ca>.

To enable the Owner to assess the rated capacity of their system to meet existing and future planned water uses, the following information is also required in the report.

1. A summary of the quantities and flow rates of water supplied during the reporting period, including the monthly average and the maximum daily flows,
2. A comparison of the summary to the rated capacity and flow rates approved in the systems approval, drinking water works permit or municipal drinking water licence or a written agreement if the system is receiving all its water from another system under an agreement.

The reports have been prepared by the Ontario Clean Water Agency (OCWA) on behalf of the Owner and presented to council as the 2021 Annual/Summary Report.

The background of the page features several thick, light blue wavy lines that sweep across the right side, creating a sense of movement and water.

Virginiatown-Kearns Drinking Water System

Section 11

# 2021 ANNUAL REPORT



## Section 11 - ANNUAL REPORT

---

### 1.0 INTRODUCTION

**Drinking-Water System Name:** Virginiatown-Kearns Drinking Water System  
**Drinking-Water System No.:** 220000317  
**Drinking-Water System Owner:** The Corporation of the Township of McGarry  
**Drinking-Water System Category:** Large Municipal, Residential System  
**Period being reported:** January 1, 2021 to December 31, 2021

**Does your Drinking Water System serve more than 10,000 people?** No

**Is your annual report available to the public at no charge on a web site on the Internet?** Yes  
at <https://www.mcgarry.ca/>

**Location where the report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**

McGarry Township Office  
27 Webster Street,  
Virginiatown Ontario P0K 1X0

#### ***Drinking Water Systems that receive drinking water from the Virginiatown-Kearns Drinking Water System***

The Virginiatown-Kearns Drinking Water System provides all drinking water to the communities of Virginiatown, North Virginiatown and Kearns.

***The Annual Report was not provided to any other Drinking Water System Owners.***

The Ontario Clean Water Agency prepared the 2021 Annual/Summary Report for the Virginiatown-Kearns Drinking Water System and provided a copy to the system owner; the Township of McGarry. The Virginiatown-Kearns Drinking Water System is a stand-alone system that does not receive water from or send water to any other system.

***Notification to system users that the Annual Report is available for viewing is accomplished through:***

- Notice on the Town's website
- Notice posted at the municipal office



## **2.0 VIRGINIATOWN DRINKING WATER SYSTEM (DWS No. 220000317)**

The Virginiatown-Kearns Drinking Water System is owned by the Corporation of the Township of McGarry and operated by the Ontario Clean Water Agency (OCWA). The system consists of a Class 2 water distribution and supply subsystem. The Ontario Clean Water Agency (OCWA) is the accredited operating authority and is designated as the Overall Responsible Operator for both the water supply and water distribution facilities.

### ***Raw Water Supply***

The main building for the water treatment plant/pumphouse is located approximately 6 km northeast of the Virginiatown Community Centre and approximately 500 metres east of Cheminis Road. Groundwater is supplied to the plant from production Well No. 1 (Cheminis Well) which is situated within the plant and Well No. 2 (T3/91); a standby well which is located 10 metres east of the well house.

Well No.1 (Cheminis Well) was drilled in October 1994 to a depth of 26.2 metres. The well is “double-case” constructed which consists of a 300 mm diameter steel casing and is equipped with a vertical turbine pump assembly and fixed-rate control system to pump at a maximum rate of 1,420 L/minute. A magnetic flow meter is mounted on the 150 mm diameter discharge line from the well into the treatment process.

Well No. 2 (T3/91) was originally drilled in February 1991 and maintained as a test well. It was modified in December 2014 to service as a standby well. It is located approximately 10 m east of the well house and Well No. 1. It is drilled to a depth of 28.65 metres and equipped with a submersible deep well pump rated at 1,105 L/minute. It includes a newly installed pitless adaptor and 100 mm diameter discharge pipe that connects to the Well No. 1 discharge header at a point just before the flow meter located inside the plant.

The standby well is intended for use when production Well No.1 has been taken out of service for repair and maintenance, or in an emergency situation. The well can also be used periodically as required to ensure water quality; it is currently configured to operate once in every 60 tower filling cycles.

### ***Water Treatment***

The wells feed the water treatment system that has a maximum rated capacity of 2045 cubic meters per day (m<sup>3</sup>/d).

The groundwater is chlorinated using a sodium hypochlorite disinfection system, complete with a chemical feed panel consisting of duplicate chemical metering pumps (duty and standby), and a single 400 L storage tank with secondary spill containment and an outside fill line. Also integrated into the treatment process are off-site chlorine contact facilities. The first is a 6 km long by 200 mm diameter ductile iron forcemain (pipe) with no service connections that extends from the treatment plant to the elevated reservoir/tower.



### ***Water Storage and Pumping Capabilities***

The tower is located approximately 150 m to the west of the Virginiatown Community Centre at the intersection of Twenty-Seventh Avenue and Twenty-Seventh Street within the community of North Virginiatown. The tower has 1,300 cubic metres of usable volume for water storage. A free chlorine residual analyzer and a pressure transmitter both using a circular chart recorder are on-site and utilize the alarm communication device. An 8" Promag 50W magnetic flow meter was installed on the tower discharge line in June 2015 to continuously monitor the flow rate and daily volume of treated water directed to the distribution system. Piping for filling, discharging, draining, sampling and bypassing purposes are also housed within the elevated water storage.

### ***Emergency Power***

A 56 kW diesel engine generator set and its associated fuel storage and secondary spill containment is available at the pump house for standby power.

A 15 KW diesel generator is also available outside the water tower to provide emergency power in case of a power failure.

### ***Distribution System***

The distribution system serves an estimated population of approximately 600 people spread throughout the residential areas of Virginiatown, North Virginiatown and Kearns. The distribution system itself consists primarily of ten (10), eight (8), and six (6) inch ductile iron constructed water mains. The service life of the distribution system ranges from 60 years (for the North Virginiatown sector) to 80 years (for the Virginiatown sector). More recent watermain installations and repair sections are comprised of polyvinyl chloride (PVC) piping. There are 48 fire hydrants connected to the distribution system to aid in fire protection. Based on the number of service connections, the system is classified as a Large Municipal Residential Drinking Water System.

## **3.0 LIST OF WATER TREATMENT CHEMICALS USED OVER THE REPORTING PERIOD**

Sodium Hypochlorite, used as a disinfectant, was the only chemical used at the Water Treatment Plant.

This chemical meets AWWA and NSF/ANSI standards.

## **4.0 SIGNIFICANT EXPENSES INCURRED IN THE DRINKING WATER SYSTEM**

OCWA is committed to maintaining the assets of the drinking water system and sustains a program of scheduled inspection and maintenance activities using a computerized Work Management System (WMS).



Significant expenses incurred in the drinking water system include:

- Replaced silent check on Well No. 2
- Purchased spare check valve
- Permit to Take Water (PTTW) renewal

## 5.0 DETAILS ON NOTICES OF ADVERSE TEST RESULTS AND OTHER PROBLEMS REPORTED TO & SUBMITTED TO THE SPILLS ACTION CENTER

Based on information kept on record by OCWA, three (3) adverse water quality incidents were reported to the Ministry's Spills Action Centre in 2021.

<i>Date</i>	<i>AWQI No.</i>	<i>Details</i>
February 28, 2021	153640	<p>February 28 at 1830 hours - Loss of pressure due to a watermain break/repair (Category 2) at 15 Dorfman Street. A hole occurred due to deterioration in a 6" watermain. The repair occurred on Monday March 1<sup>st</sup>. The local Health Unit was notified and a BWA was issued for the affected area on March 1<sup>st</sup>. Approximately 8 houses were affected. The main was isolated in order to conduct repair using a repair band</p> <p>Pedersen was called to excavate and a certified Town operator conducted the repair. OCWA's OIC oversaw the repair and sampled. All materials were disinfected and the area flushed as per the Ministry's Watermain Disinfection procedure (FCR = 1.11 mg/L). Repair was completed and the pressure was restored on March 1<sup>st</sup> at 1400 hours. SAC and the local MECP inspector were notified of the incident and the notification report was emailed to SAC, MOH and Owner on March 1<sup>st</sup>.</p> <p>After the repair was complete and the area was flushed, 2 sets of 3 bacteriological samples were collected (upstream, downstream and at the site of the break) on March 1<sup>st</sup> and 2<sup>nd</sup>. Sample results indicated no total coliforms or <i>E. coli</i>. BWA was lifted on March 3, 2021 at approx.1400 hours. Resolution submitted on March 8, 2021 after the final lab report received.</p>
March 2, 2021	153640	<p>A watermain break at the end of Kearns Avenue was initially classified as a Category 2 as 6 homes were to be isolated in order to conduct the repairs. The Health Unit was notified and was preparing a precautionary Boil Water Advisory (BWA) for the affected area. The OIC reclassified the break to a Category 1 after finding out that they could not isolate the 6 homes due to a broken valve and the repair would be done live. The Health Unit was notified of the change and did not issue the BWA. They also did not request bacteriological samples be collected and tested. The repair was conducted under positive pressure with no suspected or evident contamination to users.</p> <p>After the repair, the residents flushed inside taps (FCR = 1.45 mg/L) as there was no hydrant in the area and advised to continue flushing overnight.</p> <p>Resolution submitted on March 4, 2021 (as directed by the MECP)</p>





<b>Date</b>	<b>AWQI No.</b>	<b>Details</b>
July 15, 2021	154771	<p>Loss of free chlorine on-line monitoring at the POE on July 11, 2021 from 1740 hours to 1847 hours due to UPS failure. 5 minute residuals were not tested for the duration of the failure. Hand-held testing was started at 1830 hours and continued every 5 minutes until the analyzer was back in operation.</p> <p>1830 hours = 0.80 mg/L  1835 hours = 0.82 mg/L  1840 hours = 0.79 mg/L  1845 hours = 0.83 mg/L</p> <p>Alarms were active during this time. Wells were shut down.</p> <p>UPS replaced, free chlorine analyzer back on-line at 1847 hours with a residual reading of 0.77mg/L. Operator calibrated analyzer from 0.77 mg/L to 0.83 mg/L</p> <p>Reported late to SAC on July 21, 2021 and local Health Unit on July 22, 2021 (operator tried several times to contact a PHI, but no answer)</p> <p>Notifications and resolution reports submitted July 22, 2021</p>

## 6.0 MICROBIOLOGICAL TESTING PERFORMED DURING THE REPORTING PERIOD

### Summary of Microbiological Data

<b>Sample Type</b>	<b># of Samples</b>	<b>Range of <i>E. coli</i> Results (min to max)</b>	<b>Range of Total Coliform Results (min to max)</b>	<b># of HPC Samples</b>	<b>Range of HPC Results (min to max)</b>
<b>Raw (production well)</b>	52	0 to 0	0 to 0	0	N/A
<b>Raw (standby well)</b>	52	0 to 0	0 to 29	0	N/A
<b>Treated</b>	52	0 to 0	0 to 0	52	< 10 to 20
<b>Distribution</b>	104	0 to 0	0 to 0	52	< 10 to 60

Maximum Allowable Concentration (MAC) for *E. coli* = 0 Counts/100 mL

MAC for Total Coliforms = 0 Counts/100 mL

"<" denotes less than the laboratory's method detection limit.

#### Notes:

1. One microbiological sample is collected and tested each week from the raw (each well) and treated water supply. A total of two microbiological samples are collected and tested each week from the Virginiatown-Kearns distribution system. At least 25% of the distribution samples must be tested for HPC bacteria.

Refer to [Appendix A](#) for a monthly summary of microbiological test results.





## 7.0 OPERATIONAL TESTING PERFORMED DURING THE REPORTING PERIOD

### *Summary of Raw Water Turbidity Data*

Parameter	# of Samples	Range of Results (min to max)	Unit of Measure
Turbidity (production well)	24	0.13 to 0.93	NTU
Turbidity (standby well)	24	0.28 to 3.86	NTU

**Note:**

1. Turbidity samples are required once every month.

### *Continuous Monitoring in the Treatment Process*

Parameter	# of Samples	Range of Results (min to max)	Unit of Measure	Standard
Free Chlorine Residual	8760	0.279 to 1.92	mg/L	CT

**Notes:**

1. For continuous monitors 8760 is used as the number of samples.
2. CT is the concentration of chlorine in the water times the time of contact that the chlorine has with the water. It is used to demonstrate the level of disinfection treatment in the water. CT calculations are performed for the Virginiatown-Kearns drinking water system if the free chlorine residual level drops below 0.05 mg/L to ensure primary disinfection is achieved.

### *Summary of Chlorine Residual Data in the Distribution System*

Parameter	# of Samples	Range of Results (min to max)	Unit of Measure	Standard
Free Chlorine Residual	369	0.20 to 1.56	mg/L	≥ 0.05

**Note:** A total of seven operational checks for chlorine residual in the distribution system are collected each week. Four (4) samples are tested one day and three (3) on a second day. The sample sets are collected at least 48-hours apart and samples collected on the same day are from different locations.

Refer to *Appendix B* for a monthly summary of the above operational data.

### *Summary of Nitrate & Nitrite Data (sampled at the plant's point of entry into the distribution every quarter)*

Date of Sample	Nitrate Result Value	Nitrite Result Value	Unit of Measure	Exceedance
January 12	0.05	< 0.05	mg/L	No
April 12	0.09	< 0.05	mg/L	No
July 12	0.06	< 0.05	mg/L	No
October 18	0.08	< 0.05	mg/L	No

Maximum Allowable Concentration (MAC) for Nitrate = 10 mg/L  
MAC for Nitrite = 1 mg/L



**Summary of Total Trihalomethane Data** (sampled in the distribution system every quarter)

Date of Sample	Result Value	Unit of Measure	Running Average	Exceedance
January 12	1.3	ug/L	< 1.63	No
April 12	1.2	ug/L		
July 12	1.7	ug/L		
October 18	3	ug/L		

Maximum Allowable Concentration (MAC) for Total Trihalomethanes = 100 ug/L (Four Quarter Running Average)

**Summary of Total Haloacetic Acid Data** (sampled in the distribution system every quarter)

Date of Sample	Result Value	Unit of Measure	Running Average	Exceedance
January 12	< 8	ug/L	< 8.5	No
April 12	< 8	ug/L		
July 12	< 8	ug/L		
October 18	10	ug/L		

Maximum Allowable Concentration (MAC) for Total Haloacetic Acid = 80 ug/L (Four Quarter Running Average)

**Summary of Most Recent Lead Data under Schedule 15.1**

(applicable to the following drinking water systems; large municipal residential systems, small, municipal residential systems, and non-municipal year-round residential systems)

The Virginiatown-Kearns Drinking Water System was eligible to follow the “Exemption from Plumbing Sampling” as described in section 15.1-5(9) and 15.1-5(10) of Schedule 15.1 of Ontario Regulation 170/03. The exemption applies to a drinking water system if, in two consecutive periods at reduced sampling, not more than 10% of all samples from plumbing exceed the maximum allowable concentration (MAC) of 10 ug/L for lead. As such, the system was required to test for total alkalinity and pH in two distribution sample collected during the periods of December 15 to April 15 (winter period) and June 15 to October 15 (summer period). This testing is required in every 12-month period with lead testing in every third 12-month period.

Lead samples were last collected in 2020 and results were well below the MAC. Two rounds of alkalinity and pH testing were carried out on March 8<sup>th</sup> and September 13<sup>th</sup> of 2021. Results are summarized in the table below.

**Summary of Lead Data** (sampled in the distribution system)

Date of Sample	# of Samples	Field pH (min to max)	Field Temperature (°C) (min to max)	Alkalinity (mg/L) (min to max)	Lead (ug/L) (min to max)
March 8	2	7.29 to 7.42	6.3 to 12.9	73 to 75	N/A
September 13	2	7.74 to 7.77	11.2 to 13.3	70 to 72	N/A

Note: Next lead sampling scheduled for 2023



**Most Recent Schedule 23 Inorganic Data Tested at the Water Treatment Plant**

Parameter	Result Value	Unit of Measure	MAC	MAC Exceedance	½ MAC Exceedance
Antimony	< 0.5	ug/L	6	No	No
Arsenic	< 1.0	ug/L	10	No	No
Barium	6.0	ug/L	1000	No	No
Boron	6.0	ug/L	5000	No	No
Cadmium	< 0.1	ug/L	5	No	No
Chromium	< 1.0	ug/L	50	No	No
Mercury	< 0.1	ug/L	1	No	No
Selenium	0.3	ug/L	50	No	No
Uranium	< 1.0	ug/L	20	No	No

Note: Sample required every 36 months (sample date = October 5, 2020). Next sampling scheduled for October 2023

**Most Recent Schedule 24 Organic Data Tested at the Water Treatment Plant**

Parameter	Result Value	Unit of Measure	MAC	MAC Exceedance	½ MAC Exceedance
Alachlor	< 0.327	ug/L	5	No	No
Atrazine + N-dealkylated metabolites	< 0.5	ug/L	5	No	No
Azinphos-methyl	< 0.245	ug/L	20	No	No
Benzene	< 0.1	ug/L	1	No	No
Benzo(a)pyrene	< 0.01	ug/L	0.01	No	No
Bromoxynil	< 0.113	ug/L	5	No	No
Carbaryl	< 1.0	ug/L	90	No	No
Carbofuran	< 2.0	ug/L	90	No	No
Carbon Tetrachloride	< 0.2	ug/L	2	No	No
Chlorpyrifos	< 0.245	ug/L	90	No	No
Diazinon	< 0.245	ug/L	20	No	No
Dicamba	< 0.099	ug/L	120	No	No
1,2-Dichlorobenzene	< 0.3	ug/L	200	No	No
1,4-Dichlorobenzene	< 0.3	ug/L	5	No	No
1,2-Dichloroethane	< 0.3	ug/L	5	No	No
1,1-Dichloroethylene (vinylidene chloride)	< 0.3	ug/L	14	No	No
Dichloromethane	< 1.0	ug/L	50	No	No
2,4-Dichlorophenol	< 0.2	ug/L	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	< 0.424	ug/L	100	No	No
Diclofop-methyl	< 0.141	ug/L	9	No	No
Dimethoate	< 0.245	ug/L	20	No	No
Diquat	< 0.2	ug/L	70	No	No
Diuron	< 6.0	ug/L	150	No	No
Glyphosate	< 20.0	ug/L	280	No	No
Malathion	< 0.245	ug/L	190	No	No



**Most Recent Schedule 24 Organic Data Tested at the Water Treatment Plant**

Parameter	Result Value	Unit of Measure	MAC	MAC Exceedance	½ MAC Exceedance
Metolachlor	< 0.163	ug/L	50	No	No
Metribuzin	< 0.163	ug/L	80	No	No
Monochlorobenzene	< 0.5	ug/L	80	No	No
Paraquat	< 0.1	ug/L	10	No	No
Polychlorinated Biphenyls (PCBs)	< 0.08	ug/L	3	No	No
Pentachlorophenol	< 0.3	ug/L	60	No	No
Phorate	< 0.163	ug/L	2	No	No
Picloram	< 0.099	ug/L	190	No	No
Prometryne	< 0.082	ug/L	1	No	No
Simazine	< 0.245	ug/L	10	No	No
Terbufos	< 0.163	ug/L	1	No	No
Tetrachloroethylene	< 0.3	ug/L	10	No	No
2,3,4,6-Tetrachlorophenol	< 0.2	ug/L	100	No	No
Triallate	< 0.163	ug/L	230	No	No
Trichloroethylene	< 0.2	ug/L	5	No	No
2,4,6-Trichlorophenol	< 0.2	ug/L	5	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA)	< 7.07	ug/L	100	No	No
Trifluralin	< 0.163	ug/L	45	No	No
Vinyl Chloride	< 0.1	ug/L	1	No	No

**Note:** Sample required every 36 months (sample date = October 5, 2020). Next sampling scheduled for October 2023

**Inorganic or Organic Test Results that Exceeded Half the Standard Prescribed in Schedule 2 of the Ontario Drinking Water Quality Standards.**

No inorganic or organic parameter(s) listed in Schedule 23 and 24 of Ontario Regulation 170/03 exceeded half the standard found in Schedule 2 of the Ontario Drinking Water Standard (O. Reg. 169/03) during the reporting period.

**Most Recent Sodium Data Sampled at the Water Treatment Plant**

Date of Sample	# of Samples	Result Value	Unit of Measure	Standard	Exceedance
October 5, 2020	1	15.3	mg/L	20	No

**Note:** Sample required every 60 months. Next sampling scheduled for October 2025

**Most Recent Fluoride Data Sampled at the Water Treatment Plant**

Date of Sample	# of Samples	Result Value	Unit of Measure	Standard	Exceedance
October 5, 2020	1	< 0.05	mg/L	1.5	No

**Note:** Sample required every 60 months. Next sampling scheduled for October 2025



***Additional Testing Performed in Accordance with an Approval, Order or Legal Instrument***

No additional regulatory sampling and testing was required for the Virginiatown-Kearns Drinking Water System during the 2021 reporting period.

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Virginiatown-Kearns Drinking Water System

Schedule 22

# 2021 SUMMARY REPORT

## FOR MUNICIPALITIES





## Schedule 22 - SUMMARY REPORTS FOR MUNICIPALITIES

### 1.0 INTRODUCTION

<b>Drinking-Water System Name:</b>	<b>Virginiatown-Kearns Drinking Water System</b>
<b>Municipal Drinking Water Licence (MDWL) No.:</b>	280-101-5 (issued November 9, 2020)
<b>Drinking Water Work Permit (DWWP) No.:</b>	279-201-5 (issued November 9, 2020)
<b>Permit to Take Water (PTTW) No.:</b>	8844-C6UQEY (issued September 16, 2021)
<b>Period being reported:</b>	January 1, 2021 to December 31, 2021

### 2.0 REQUIREMENTS THE SYSTEM FAILED TO MEET

According to information kept on record by OCWA, the Larder Lake Drinking Water System failed to meet the following requirements during the 2021 reporting period:

Drinking Water Legislation	Requirement(s) the System Failed to Meet	Duration	Corrective Action(s)	Status
Section 16-6 of Schedule 16 to O. Reg. 170/03 which requires immediate verbal notification under section 16-4 or 16-5 or under section 18 of the Act to the	A loss of free chlorine on-line monitoring at the point of entry (POE) occurred on July 11, 2021 from 1740 hours to 1847 hours due to UPS failure (AWQI 154771). The incident was reported late to the local Health Unit and SAC. The incident was reported to SAC on July 21, 2021 and THU on July 22, 2021 (operator tried several times to contact the Health Unit, but no answer; finally contacted at about 8:30 AM on July 22, 2021). The OCWA operator thought a Town operator collected and tested 5 minute residuals before he arrived, but discovered on Wednesday, July 21st that was not the case.	July 11, 2021 from 1740 to 1847 hours	After the incident a training session was held with all operators on August 19, 2021 to re-enforce the requirement to <u>immediately</u> report adverse water quality incidents (AWQIs) to appropriate authorities.	Complete

It should be mentioned that, three (3) adverse water quality incidents were reported to the Ministry's Spills Action Center. Refer to Section 5.0 – *Details on Notices of Adverse Test Results and Other Problems Reported to & Submitted to the Spills Actions Center* on page 5 of this report for details.



### 3.0 SUMMARY OF FLOWS AND COMPARISON TO REGULATORY LIMITS

#### Flow Monitoring

MDWL No. 280-101 requires the owner to install a sufficient number of flow measuring devices to permit the continuous measurement and recording of:

- the flow rate and daily volume of treated water that flows from the treatment subsystem the distribution system, and
- the flow rate and daily volume of water that flows into the treatment subsystem.

The Virginiatown-Kearns drinking water system has a flow meter installed on the raw water header which was considered sufficient to satisfy the requirement of the licence since there was no water loss from processes between the raw source and the point of discharge of treated water at the water tower. Although this flow meter satisfied the flow monitoring requirements, a magnetic flow meter was installed on the discharge header of the North Virginiatown Elevated Storage Tank to continuously monitor the treated water entering the distribution system. These flow meters are calibrated on an annual basis as specified in the manufacturers' instructions

#### Water Usage

The following water usage tables summarize the quantities and flow rates of water taken and produced during the 2021 reporting period, including total monthly volumes, average monthly volumes, maximum monthly volumes, and maximum flow rates.

#### Raw Water

##### 2021 - Monthly Summary of Water Takings from the Source (Cheminis Well No. 1 & Standby Well No. 2 (T3/91)

Regulated by Permit to Take Water (PTTW) # 1034-9UHP99, issued March 12, 2015 and PTTW # 8844-C6UQEY issued on September 16, 2021

##### Cheminis Well No. 1

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m <sup>3</sup> )	11893	12684	15196	14178	13519	10884	11344	10137	9040	11153	11704	11490	143222
Average Volume (m <sup>3</sup> /d)	384	453	490	473	436	363	366	327	301	360	390	371	393
Maximum Volume (m <sup>3</sup> /d)	462	707	792	623	485	421	462	396	360	553	484	461	792
PTTW - Maximum Allowable Volume (m <sup>3</sup> /day)	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045
Maximum Flow Rate (L/min)	1352	1418	1420	1417	1413	1419	1413	1414	1401	1414	1404	1402	1420
PTTW - Maximum Allowable Flow Rate (L/min)	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420





## Virginiatown-Kearns Drinking Water System – 2021 Annual/Summary Report

### Standby Well T3/91 Well No. 2

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m <sup>3</sup> )	187	195	296	281	263	208	213	215	124	194	209	271	2656
Average Volume (m <sup>3</sup> /d)	6.0	7.0	9.6	9.4	8.5	6.9	6.9	6.9	4.1	6.3	7.0	8.7	7.3
Maximum Volume (m <sup>3</sup> /d)	66	61	76	69	65	60	74	62	57	59	71	71	76
PTTW - Maximum Allowable Volume (m <sup>3</sup> /day)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Maximum Flow Rate (L/min)	1101	1105	1100	1098	1100	1100	1101	1100	1098	1103	1098	1101	1105
PTTW - Maximum Allowable Flow Rate (L/min)	1105	1105	1105	1105	1105	1105	1105	1105	1105	1105	1105	1105	1105

### Combined Water Taking (Well No. 1 and Well No. 2)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m <sup>3</sup> )	12080	12879	15492	14459	13782	11092	11557	10352	9164	11347	11913	11761	145878
Average Volume (m <sup>3</sup> /d)	390	460	500	482	445	370	373	334	305	366	397	379	400
Maximum Volume (m <sup>3</sup> /d)	462	712	792	630	485	421	462	396	360	555	488	461	792
PTTW - Maximum Allowable Volume (m <sup>3</sup> /day)	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045

The system's Permit to Take Water #1034-9UHP99, allows the Township to withdraw water at the following rates:

Well No. 1 (Cheminis Well):	2044.8 m <sup>3</sup> /day	1,420 L/minute
Well T3/91 No. 2 (Standby Well):	1500 m <sup>3</sup> /day	1,105 L/minute
Total Combined Daily Volume:	2044.8 m <sup>3</sup> /day	

A review of the raw water flow data indicates that the system did not exceed the maximum allowable volumes during the reporting period.

**Note:** The standby well (Well No. 2) is allowed to run for a maximum of 10 hours per day and 140 days per year. The well operated for a total of 97 days in 2021 and never ran more than 10 hours each day.

### Treated Water

#### 2021 - Monthly Summary of Treated Water from the Water Tower to the Distribution System

Regulated by Municipal Drinking Water Licence (MDWL) #280-101 - Issue 5, dated November 9, 2020

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Total Volume (m <sup>3</sup> )	11933	12533	15258	14270	13646	10939	11431	10287	9087	10993	11335	11009	142720
Average Volume (m <sup>3</sup> /d)	385	448	492	476	440	365	369	332	303	355	378	355	391
Maximum Volume (m <sup>3</sup> /d)	427	587	789	632	484	411	452	389	355	576	444	398	789
MDWL - Rated Capacity (m <sup>3</sup> /day)	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045

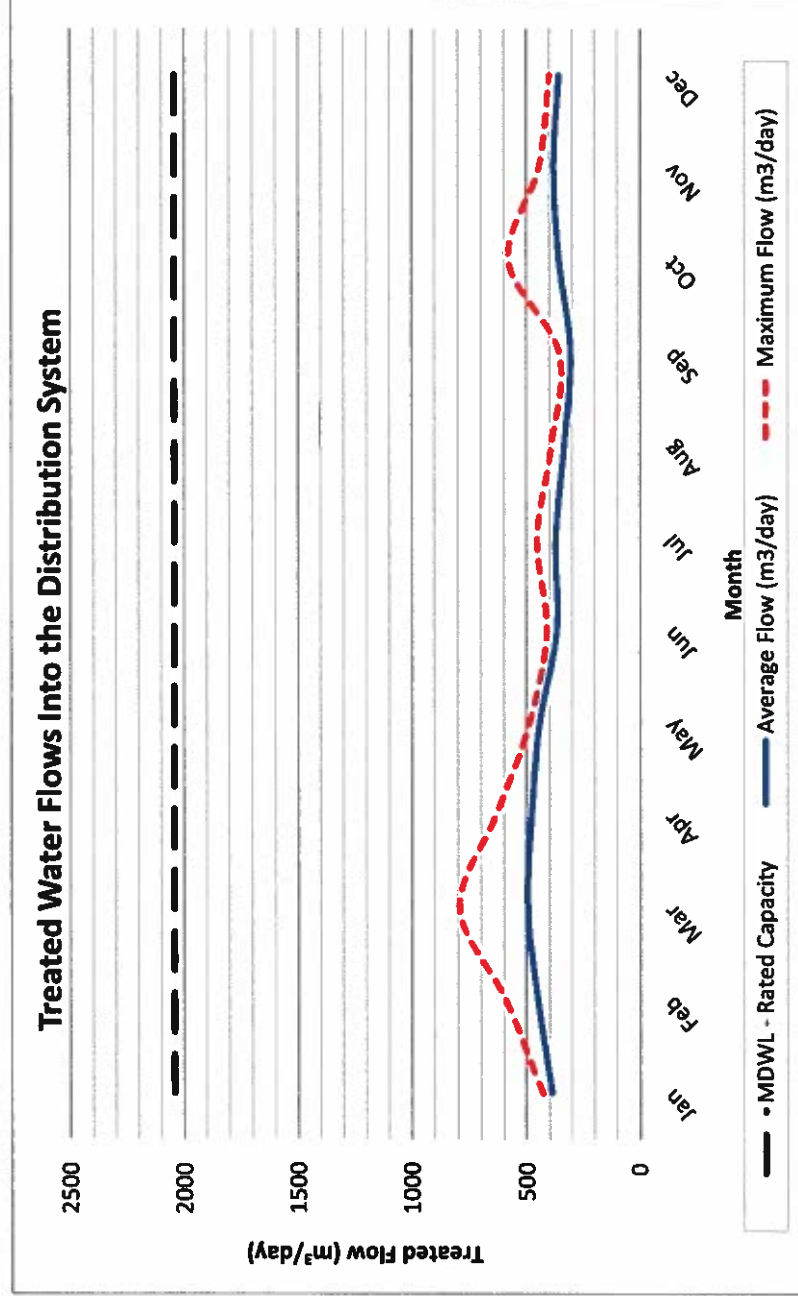


Schedule C, Section 1.0 (1.1) of MDWL No. 280-101 states that the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed 2045 m<sup>3</sup>/day. The Virginiatown-Kearns DWS complied with this limit having a recorded maximum volume of 789 m<sup>3</sup> on March 2<sup>nd</sup> which represents 38.6% of the rated capacity. Higher than normal flows were caused by a watermain break.

Figure 1 compares the average and maximum flow rates into the distribution system to the rated capacity of the system identified in the MDWL.

**Figure 1: 2021 - Comparison of Treated Water Flows to the Rated Capacity**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Flow (m <sup>3</sup> /day)	385	448	492	476	440	365	369	332	303	355	378	355
Maximum Flow (m <sup>3</sup> /day)	427	587	789	632	484	411	452	389	355	576	444	398
MDWL - Rated Capacity	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045
% Rated Capacity	21	29	39	31	24	20	22	19	17	28	22	19





### ***Summary of System Performance***

The following information is provided to enable the Owner to assess the capability of the system to meet existing and future water usage needs.

Rated Capacity of the Plant (MDWL)	2045 m <sup>3</sup> /day	
Average Daily Flow for 2021	391 m <sup>3</sup> /day	19.1 % of the rated capacity
Maximum Daily Flow for 2021	789 m <sup>3</sup> /day	38.6 % of the rated capacity
Total Treated Water Produced in 2021	142,720 m <sup>3</sup>	

### ***Historical Flows***

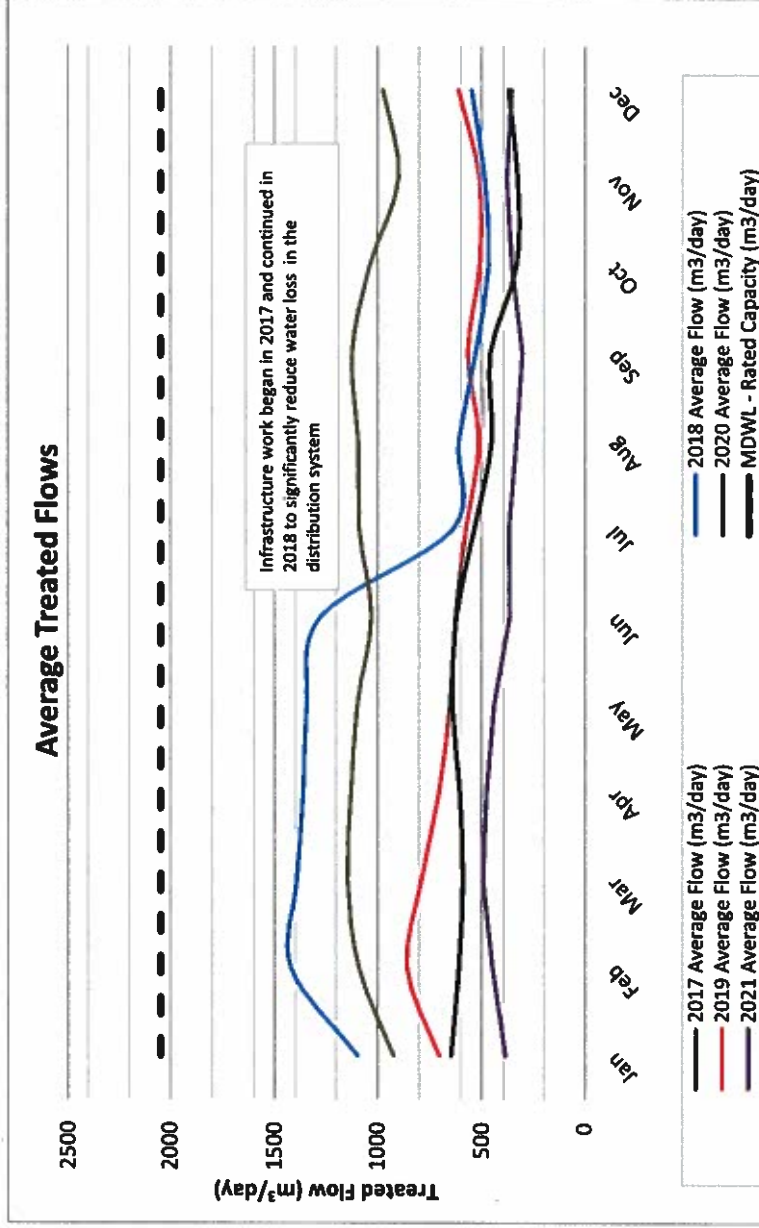
#### **Virginiatown-Kearns Water Treatment Plant – Historical Flow Comparison**

Year	Maximum Treated Flow (m <sup>3</sup> /d)	Average Daily Treated Flow (m <sup>3</sup> /d)	Average Day % of Rated Capacity (2045 m <sup>3</sup> /d)
2021	789	391	19.1%
2020	889	515	25.2%
2019	988	634	31.0%
2018	1875	941	46.0%
2017	2025	1057	51.7%

Figure 2 compares the average treated water flows from 2017 to 2021.

**Figure 2: Virginiatown-Kearns Water Treatment System - Average Treated Water Tower Flows from 2017 to 2021**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017 Average Flow (m <sup>3</sup> /day)	920	1088	1144	1126	1096	1028	1086	1091	1122	1035	897	971
2018 Average Flow (m <sup>3</sup> /day)	1094	1420	1390	1359	1342	1272	635	607	527	465	483	545
2019 Average Flow (m <sup>3</sup> /day)	701	856	785	704	650	624	575	513	565	509	509	610
2020 Average Flow (m <sup>3</sup> /day)	646	609	589	604	640	621	534	452	458	332	326	372
2021 Average Flow (m <sup>3</sup> /day)	385	448	492	476	440	365	369	332	303	355	378	355
MDWL - Rated Capacity (m <sup>3</sup> /day)	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045	2045





## CONCLUSION

The water quality data collected in 2021 demonstrates that the Virginiatown-Kearns drinking water system provided high quality drinking water to its users which met all the Ontario Drinking Water Standards. Three adverse water quality incidents (AWQIs) were reported in 2021; two during distribution repairs and one due to equipment failure. All incidents were immediately responded to and resolved.

The Virginiatown-Kearns Drinking Water System was able to operate in accordance with the terms and conditions of the Permit to Take Water and in accordance with the rated capacity of the licence while meeting the community's demand for water use.



# **APPENDIX A**

## Monthly Summary of Microbiological Test Results

**VIRGINIATOWN-KEARNS DRINKING WATER SYSTEM  
2021 SUMMARY OF MICROBIOLOGICAL TEST RESULTS**

Facility Works Number: 220000317  
Facility Owner: Municipality: Township of McGarry  
Facility Classification: Water Distribution and Supply 2

RAW WATER	01/2021	02/2021	03/2021	04/2021	05/2021	06/2021	07/2021	08/2021	09/2021	10/2021	11/2021	12/2021	Total	Avg	Max	Min
Well 1 (Chemical) / Total Coliform: TC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
Well 1 (Chemical) / E. Coli: EC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
Well 2 (Standby) / Total Coliform: TC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	29	18	18	1	1	0	2	0	0			29	
Mean Lab	0	0	0	7.25	5	6.25	0.25	0.2	0	0.5	0	0		1.596		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
Well 2 (Standby) / E. Coli: EC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
TREATED WATER																
Treated Water (POE) / Total Coliform: TC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
Treated Water (POE) / E. Coli: EC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
Treated Water (POE) / HPC - cfu/mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10			20	
Mean Lab	< 10	< 12.5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12.5	< 10	< 10		< 10.385		
Min Lab	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10
DISTRIBUTION WATER																
VT-3 (Back) / Total Coliform: TC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
VT-3 (Back) / E. Coli: EC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
VT-3 (Back) / HPC - cfu/mL																
Count Lab	2	2	2	2	3	2	2	2	2	1	3	2	25			
Max Lab	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10			10	
Mean Lab	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10		
Min Lab	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10
VT-4 (Back) / Total Coliform: TC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
VT-4 (Back) / E. Coli: EC - cfu/100mL																
Count Lab	4	4	5	4	5	4	4	5	4	4	5	4	52			
Max Lab	0	0	0	0	0	0	0	0	0	0	0	0			0	
Mean Lab	0	0	0	0	0	0	0	0	0	0	0	0		0		
Min Lab	0	0	0	0	0	0	0	0	0	0	0	0				0
VT-4 (Back) / HPC - cfu/mL																
Count Lab	2	2	3	2	2	2	2	3	2	3	2	2	27			
Max Lab	< 10	20	80	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 30	< 30			60	
Mean Lab	< 10	< 15	< 36.567	< 10	< 10	< 10	< 10	< 10	< 10	< 13.333	< 20	< 20		< 15.185		
Min Lab	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10				< 10





## **APPENDIX B**

### **Monthly Summary of Operational Data**

**VIRGINIATOWN-KEARNS DRINKING WATER SYSTEM  
2021 SUMMARY OF OPERATIONAL RESULTS**

220000317

Facility Works Number:

Municipality: Township of McGarry

Facility Owner:

Water Distribution and Supply 2

Facility Classification:

RAW WATER																	
Well 1 (Chemical)/ Turbidity - NTU																	
Count IH	2	2	2	2	2	2	2	3	2	1	1	3					
Total IH	0.566	0.32	0.87	0.38	0.68	0.65	1.7	0.62	0.49	0.48	0.21	0.58	24				
Max IH	0.302	0.18	0.6	0.25	0.37	0.36	0.93	0.27	0.27	0.48	0.21	0.22				0.93	
Mean IH	0.283	0.16	0.435	0.19	0.34	0.283	0.85	0.207	0.245	0.48	0.21	0.193			0.314		
Min IH	0.264	0.14	0.27	0.13	0.31	0.29	0.77	0.14	0.22	0.48	0.21	0.17				0.13	
Well 2 (Standby)/ Turbidity - NTU																	
Count IH	2	2	2	2	2	2	2	3	2	1	1	3	24				
Total IH	7.1	1.41	0.93	0.58	0.73	0.69	1.05	1.69	1.19	0.475	0.29	1.09	17.225				
Max IH	3.86	0.72	0.55	0.3	0.39	0.38	0.68	0.59	0.62	0.475	0.29	0.39				3.86	
Mean IH	3.55	0.705	0.465	0.29	0.365	0.345	0.525	0.583	0.595	0.475	0.29	0.363			0.718		
Min IH	3.24	0.69	0.38	0.28	0.34	0.31	0.37	0.54	0.57	0.475	0.29	0.33					0.28
TREATED WATER																	
Treated Water (POE) / Cl Residual: Free (0.10 mg/L) - mg/L																	
Max OL	1.914	1.919	1.85	1.521	1.121	1.023	0.98	0.978	1.44	1.454	1.543	1.49				1.919	
Mean OL	1.285	1.348	1.327	1.178	0.995	0.927	0.89	0.777	1.013	1.327	1.468	1.315			1.154		
Min OL	1.207	1.222	1.105	1.098	0.899	0.798	0.77	0.279	0.479	1.226	1.33	1.168					0.279
DISTRIBUTION WATER																	
Residual No. 1 / Cl Residual: Free - mg/L																	
Count IH	10	8	9	9	9	8	10	9	8	9	9	9	107				
Max IH	1.25	1.39	1.41	1.00	0.86	1.10	1.08	1.10	1.10	1.25	1.49	1.29				1.49	
Mean IH	1.101	1.15	1.218	0.864	0.807	0.758	0.823	0.8	0.755	0.903	1.202	1.111			0.943		
Min IH	0.84	0.80	0.92	0.51	0.74	0.54	0.61	0.20	0.44	0.54	0.81	0.78					0.20
Residual No. 2 / Cl Residual: Free - mg/L																	
Count IH	9	8	9	9	9	8	9	9	8	9	9	9	105				
Max IH	1.19	1.39	1.55	1.02	0.85	0.82	0.86	0.8	1.07	1.32	1.32	1.25				1.55	
Mean IH	1.099	1.166	1.209	0.939	0.75	0.676	0.652	0.589	0.786	0.906	1.071	1.101			0.913		
Min IH	0.98	1.01	0.81	0.81	0.54	0.54	0.47	0.21	0.38	0.45	0.83	0.79					0.21
Residual No. 3 / Cl Residual: Free - mg/L																	
Count IH	9	8	9	9	9	8	9	9	8	9	9	9	105				
Max IH	1.18	1.26	1.31	0.99	0.85	0.86	0.76	0.69	1.19	1.29	1.25	1.26				1.31	
Mean IH	1.059	1.151	1.134	0.891	0.802	0.694	0.811	0.543	0.785	1.019	1.122	1.121			0.913		
Min IH	0.94	1.00	0.81	0.76	0.75	0.58	0.48	0.30	0.33	0.81	0.99	1.02					0.30
Residual No. 4 / Cl Residual: Free - mg/L																	
Count IH	4	4	5	4	5	4	4	5	4	4	5	4	52				
Max IH	1.29	1.21	1.56	1.11	0.87	0.76	0.81	0.6	1.01	1.16	1.53	1.15				1.56	
Mean IH	1.153	1.105	1.158	0.915	0.81	0.693	0.55	0.492	0.793	0.982	1.192	1.09			0.911		
Min IH	1.03	0.91	0.89	0.81	0.75	0.6	0.45	0.22	0.47	0.83	1.07	1.02					0.22