

**Town of Carleton Place Wastewater Treatment Plant Expansion
MCEA Environmental Study Report
Project Contact List (Last Updated December 19, 2022)**

Title	First Name	Last Name	Job Title	Company/Organization	Address 1	Address 2	City	Prov.	Postal Code	Ph. Number	Email
Provincial Government/Ministries											
	Jon	Orpana	Eastern Ontario EA Coordinator	Ministry of the Environment, Conservation and Parks							jon.orpana@ontario.ca
	Brenda	Beaudoin	Inspector	Ministry of the Environment, Conservation and Parks							Brenda.Beaudoin@ontario.ca
			MECP Eastern Region	EA Notifications E Region	1259 Gardiners Rd		Kingston	ON	K7P 3J6	613-540-6852	eanotification.eregion@ontario.ca
	Michael	Elms	Manager	Ministry of Municipal Affairs and Housing						613-545-2132	michael.elms@ontario.ca
	Scott	Lee		Ministry of Natural Resources and Forestry							scott.lee@ontario.ca
	Karla	Barboza	Team Lead, Heritage – Heritage Program Unit	Ministry of Tourism, Culture and Sport	401 Bay Street	Suite 1700	Toronto	ON	M7A 0A7	416-314-7120	karla.barboza@ontario.ca
	David	Cooper		Ministry of Agricultural Food and Rural Affairs	1 Stone Road W	3rd Floor	Guelph	ON	N1G 4Y2		
	Rita	Kelly	Project Manager, Land Transactions, Hydro Corridors & Public Works	Infrastructure Ontario	1 Dundas St. West	Suite 2000	Toronto	ON	M5G 1Z3		rita.kelly@infrastructureontario.ca
			Linear Development	Fisheries and Oceans Canada							DFO_CA_Linear_Development-Developpement_Lineaire_CA.MPO@dfo-mpo.gc.ca
Conservation Authorities											
	Matt	Craig	Manager – Planning and Regulations	Mississippi Valley Conservation Authority	1070 Highway 7		Carleton Place	ON	K7C 3P1	613-253-0122	mcraig@mvc.on.ca
	Sally	McIntyre	General Manager	Mississippi Valley Conservation Authority							smcintyre@mvc.on.ca
	Juraj	Cunderlik		Mississippi Valley Conservation Authority							jcunderlik@mvc.on.ca
	Brian	Stratton	Manager, Engineering Services and Technical Lead, Drinking Water Source Protection, Mississippi-Rideau Source Protection Region	Rideau Valley Conservation Authority	3889 Rideau Valley Drive	P.O. Box 599	Manotick	ON	K4M 1A5	613-692-3571	brian.stratton@mrsourcewater.ca
Other Agencies/Stakeholders											
	Mike	Mortimer	President, OMWA	Ontario Municipal Water Association	30 Spence Ave		Midhurst	ON	L9X 0P2		mmortimer@ocwa.com
	Andy	Trader	Regional Hub Manager	Ontario Clean Water Agency	20 Bennett Drive	Suite 200	Carleton Place	ON	K7C 4J9		ATrader@ocwa.com
	Peter	Bosch	Manager of Design and Construction	Uppder Canada District School Board, Main Office	225 Central Avenue West		Brockville	ON	K6V 5X1	613-342-0371	peter.bosch@ucdsb.on.ca
	Don	Leverette	Commodore	Carleton Place Canoe Club	179 John Street		Carleton Place	ON	K7C 1N7	613-257-1838	commodore@cpcanooclub.com
	Joanne	Woodhouse	Committee Member	Carleton Place Urban Forest/River Corridor Advisory Committee	175 Bridge Street		Carleton Place	ON	K7C 2V8	613-257-6205	joanne_woodhouse@hotmail.com
	Jim	McCready		Carleton Place Urban Forest/River Corridor Advisory Committee	175 Bridge Street		Carleton Place	ON	K7C 2V8	613-257-6205	jdmccready@rogers.com
Utilities											
	Kevin	Wood	Planning Department	Cogeco Cable	170 Colborne Street		Kingston	ON	K7L 5M7	613-544-6311 ext. 8569	
			Eastern Region Crossing	Enbridge Pipelines Inc.	1080 Modeland Road	Bldg 1050	Sarnia	ON	N7S 6L2		est.reg.crossing@enbridge.com
	Jamie	Rochford	Planning Lead	Enbridge	101 Honda Boulevard		Markham	ON	L6C 0M6	905-927-3150	Jamie.Rochford@enbridge.com ; Mark-Ups@enbridge.com
	James	Arbutnott	Supervisor, Construction Project Management	Enbridge Gas Inc.	400 Coventry Road		Ottawa	ON	K1K 2C7		james.arbutnott@enbridge.com
				Hydro One, Real Estate Services	483 Bay Street	North Tower 15th Floor	Toronto	ON	M5G 2P5		
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	Wayne	Harrisson		Union Gas Ontario Inc.	1653 Fortune Crescent		Kingston	ON	K7P 0E9	613-453-3442	
	Satish	Kumar Korpai	Crossing Coordinator	Trans Northern Pipelines	45 Vogell Road	Suite 310	Richmond Hill	ON	L4B 3P6		
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	John R.	Steele	Outside Plant Project Manager	Zayo Canada Inc.	495 Terminal Avenue		Ottawa	ON	K1G 0Z2		john.steele@zayo.com

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	Richard	Austria	Outside Plant Engineer	Rogers Communications	8200 Dixie Road		Brampton	ON	L6T 0C1	647-747-2976	richardaustria@rci.rogers.com
Indigenous Nations and Indigenous Organizations											
	Janet	Stavinga	Consultation office	Algonquins of Ontario	31 Riverside Drive	Suite 101	Pembroke	ON	K8A 8R6	1-855-735-3759	lstavinga@tanakiwin.com ; algonquins@tanakiwin.com
Chief	Doreen	Davis		Sharbot Obaadjiwan First Nation	29649 Highway 7	P.O. Box 175	Sharbot Lake	ON	K0H 2P0	343-233-0167	chiefdoreendavis@gmail.com
Chief	Wendy	Jocko		Algonquins of Pikwàkanagàn	1657A Mishomis Inamo		Pikwàkanagàn	ON	K0J 1X0	613-625-1551	chief@pikwakanagan.ca
Ms.	Amanda	Two-Axe Kohoko	Consultation, Economic Development	Algonquins of Pikwàkanagàn	1657A Mishomis Inamo		Pikwàkanagàn	ON	K0J 1X0	613-625-1551	consultation@pikwakanagan.ca
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Chief	David Patrick	Mowat		Alderville First Nation	P.O. Box 46		Roseneath	ON	K0K 2X0		dmowat@alderville.ca
Chief	Kelly	LaRocca		Mississaugas of the Scugog Island First Nation	22521 Island Road		Port Perry	ON	L9L 1B6		info@scugogfirstnation.com
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Chief	Laurie	Carr		Hiawatha First Nation	123 Paudash Street		Hiawatha	ON	K9J 0E6		info@hiawathafn.ca
	Tom	Cowie	Lands Resource Consultation Liaison	Hiawatha First Nation	123 Paudash Street		Hiawatha	ON	K9J 0E6	705-295-4421	tcowie@hiawathafn.ca
	Sean	Davison		Hiawatha First Nation	123 Paudash Street		Hiawatha	ON	K9J 0E6		sdavison@hiawathafn.ca
Chief	Keith	Knott		Mississaugas of Curve Lake First Nation	22 Winookeedaa Road		Curve Lake	ON	K0L 1R0		Communication@curvelake.ca / keithk@curvelake.ca
	Kaitlin	Hill	Lands & Resources Consultation Liaison	Mississaugas of Curve Lake First Nation	22 Winookeedaa Road		Curve Lake	ON	K0L 1R0		kaitlinh@curvelake.ca
	Katie	Haddlesey	Chief Operating Officer	Mississaugas of Curve Lake First Nation							katieyh@curvelake.ca
	Linda	Norheim		Metis Nation of Ontario							consultations@metisnation.org
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		Shavon	Thomas	Haudenosaunee Development Institute HDI EAST	167 International Road	Unit 1	Akwesasne	ON	K6H5R7	518-521-8272	shavonthomas@hdi.land
		Williams	Todd	Haudenosaunee Development Institute HDI EAST	168 International Road	Unit 2	Akwesasne	ON	K6H5R8	518-521-8273	toddwilliams@hdi.land

Carleton Place Water and Wastewater Treatment Plant - Indigenous Consultation Log

Indigenous Nation or Organization	Contact Person (Current or Previous with name change due to email bounce back)	Notice of Study Commencement (Phase 1 - 2)			Notice of PIC (Phase 2)		Notice of Study Completion (Phase 2)		Notice of Study Commencement and PIC (Phase 3 - 4)			Response
		Emailed Letter Request to Consult Jun. 7, 2021	Mailed Jun. 3, 2021	Phoned Aug. 16, 2021	Emailed Feb. 3, 2022	Mailed Feb. 2, 2022	Emailed Jun. 2, 2022	Mailed Jun. 1, 2022	Emailed Dec. 1, 2022	Mailed Dec. 1, 2022	Phoned Dec 23 / Jan 9, 2022/2023	
Algonquins of Ontario	Prev. Janet Stavinga	x	x		x	x	x	x	x			Contact change; request only email
Sharbot Obaadjiwan First Nation	Chief Doreen Davis	x	x		x	x	x	x	x	x		None
Algonquins of Pikwàkanagàn	Chief Wendy Jocko; Prev. Amanda Two Axe Kohoko, Laura Sarazin	x	x	x	x	x	x	x	x	x	x	None
Alderville First Nation	Chief David Patrick Mowat	x	x		x	x	x	x	x	x		None
Mississaugas of the Scugog Island First Nation	Chief Kelly LaRocca; Monica Sanford	x	x	x	x	x	x	x	x	x	x	None
Hiawatha First Nation	Chief Laurie Carr; Sean Davison; Prev. Tom Cowie	x	x	x	x	x	x	x	x	x	x	None
Mississaugas of Curve Lake First Nation	Chief Keith Knott; Kaitlin Hill; Katie Haddlesey; Prev. Julie Kapyrka	x	x	x	x	x	x	x	x	x	x	None
Metis Nation of Ontario	Prev. Linda Norheim	x	x		x	x	x	x	x			Request only email
MNO Ottawa Region Métis Council	Erik Gjos	x	x		x	x	x	x	x	x		None
High Land Waters Métis Council	Marlon Lloyd	x	x		x	x	x	x	x	x		None
Haudenosaunee Development Institute HDI EAST	Shavon Thomas; Todd Williams								x	x		mailing list in July 2022 for Archaeology

Espitia Contreras, Jenny

From: Raheem, Ferenaz
Sent: Thursday, June 2, 2022 9:19 AM
Cc: Guy Bourgon; Alemany, Kevin
Subject: Town of Carleton Place Water and Wastewater Master Plan - Notice of Study Completion
Attachments: CP W&WW MP Notice of Study Completion Final.pdf

Hello,

Please find the attached Notice Study Completion in association with the **Town of Carleton Place Water and Wastewater Master Plan Study**. As indicated within the attached notice, the Master Plan is now available to review beginning today **Thursday, June 2, 2022** on the study website (<https://carletonplace.ca/water-and-wastewater-master-plan.php>) and comments can be submitted until **Tuesday, July 5, 2022**.

Should you have any comments and/or questions please do not hesitate to contact the Project Team per the attached Notice.

Kind Regards,

Ferenaz Raheem RPP MCIP
Senior Environmental Planner

ferenaz.raheem@stantec.com
Cell: 343-998-2605

Stantec
400 - 1331 Clyde Avenue
Ottawa ON K2C 3G4



NOTICE OF STUDY COMPLETION

The Town of Carleton Place (Town) has witnessed unprecedented growth over the past 5 years, and this growth is expected to continue into the foreseeable future. To accommodate growth and ensure the integrity of the Town's servicing infrastructure and capacity for existing and future development, the Town has initiated a Water and Wastewater Master Plan (WWMP) to provide a long-range plan for water and wastewater needs over the next 20 years. The WWMP reviews opportunities to optimize the performance of existing infrastructure, while identifying the most sustainable approach to serve the Town's existing communities as well as new development.

This study was undertaken in accordance with Approach #2 of the Master Planning Process, as outlined in Appendix 4 of the Municipal Class Environmental Assessment (MCEA) document (October 2000, as amended in 2007, 2011 and 2015). However, based on the findings and recommendations of this study, the WWMP will generally address Phases 1 and 2 of the MCEA process and will form the basis for the recommended Schedule B and Schedule C water and wastewater projects identified within the WWMP report, including the need to expand the existing Water Treatment Plant and the Wastewater Treatment Plant. As such, the Town may proceed with Phases 3 and 4 of the MCEA process for these Schedule C projects. The recommended Schedule B projects will be subject to further study in the future.

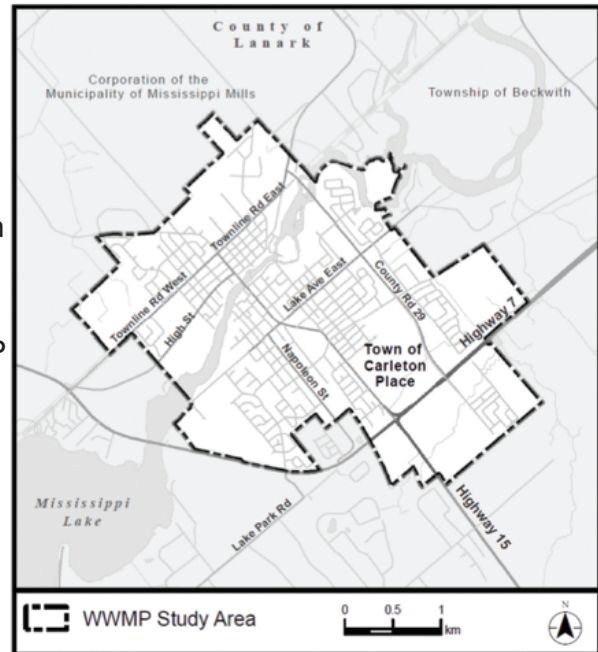
The study process, including the evaluation of alternative solutions, the identification of a recommended set of solutions to develop the Master Plan, the preliminary potential environmental impacts and proposed mitigation measures, and the consultation activities undertaken as part of this study, have been documented within a WWMP report. A copy of the WWMP is available for public review and comment between **June 2, 2022, and July 5, 2022**, on the study website (<https://carletonplace.ca/water-and-wastewater-master-plan.php>).

Comments

Interested persons may provide written comments to our study team by **July 5, 2022**. All questions or comments can be sent directly to the Town of Carleton Place as follows:

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplace.ca

All comments will be collected in accordance with the *Freedom of Information and Protection of Privacy Act* (2009). Except for personal information, all comments will become part of the public record.



PRIDE EVENTS BRING LANARK COUNTY TOGETHER THIS MONTH

LAURIE WEIR
ljweir@metroland.com

People of all walks of life are collaborating for the good of their communities

as they embrace each other's diversity.

June is Pride Month, and in Lanark County and there is a gaggle of activities planned — fire-breath-

ing burlesque show, anyone? — in Mississippi Mills, Carleton Place, Perth and Smiths Falls with something for everyone.

It's an opportunity to support our friends and family and those in the 2SLGBTQ+ (two spirit, lesbian, gay, bisexual, trans, queer-plus) community and see what supports are out there if you're questioning your own identity.

Why is Pride such a big deal?

Michael Rikley-Lancaster explains: "Until everyone feels equal in a society, we have to keep doing this," he said. "To allow people to be who they are and embrace being who they are and celebrate the differences in people."

Rikley-Lancaster is the executive director/curator at the Mississippi Valley Textile Museum in Almonte. He spoke of a Pride flag incident two years ago when a flag was found shredded. That shocked their staff — including younger staff members. They had never faced that kind of hate crime before, he said.

"It was about having open dialogue and saying, hey, I'm sorry this happened, but we're going to protect you," Rikley-Lancaster said. "We have never had that kind of hate crime. It really shocked them. But they certainly learned a lot from that and grew from that."

Rikley-Lancaster said the Pride events in June have evolved throughout participating communities.

"With everyone working together, it's coming along smoothly, he said. "It's great that it's such a big community event now. It's crossing multiple communities and just to co-ordinate all that is pretty cool to be able to do it."

DRIVE OUT PARADE

Flag raising will take



Brent Eades photo
Pictured is the PRIDE Mississippi Mills 2021 Progress PRIDE crosswalk in Almonte, taken after its unveiling in June of last year.

place the first week at various community halls in early June, and on Saturday, June 4, the Lanark County Drive Out Parade will kick off in Almonte at 12:30 p.m. at the museum with a progress-Pride flag raising ceremony. The parade will hit Carleton Place at 1:30 p.m. at the Canadian Tire parking lot, then travel to Smiths Falls Memorial Community Centre for 1:55 p.m. Then it's onto Perth, where they will meet up at the Lanark County Administration Building on Christie Lake Road at 2:15 p.m. From there, the parade will travel to The Stewart School for a 3 p.m. meeting.

"As we hit each community, the vehicle lineup will get longer, and all vehicles are encouraged to decorate their cars in rainbows. The lead car will definitely be all decked out in rainbows," he said.

QUEER SHENANIGANS

In Almonte, one of the big events of the month will be the Mississippi Mills Rainbow Revue: A Variety Show of Queer Shenanigans. All are welcome to this 18-plus event at the textile museum.

It will start with Annie Socoria, who will perform ambient/experimental music starting at 7 p.m.

when doors open on June 18. The feature for the evening is Queen Vera of Ottawa, who will perform an over-the-top opening number and a show-stopping final song, as well as a slower classic in the middle of the event.

Other performers during this event include B. WilDer and Rhapsody Blue, as well as Wett Willy, "who is a boy burlesque performer."

"It will be a real mix of queer entertainment," Rikley-Lancaster said. "Classic burlesque and fire-eating numbers. It will be a lot of fun."

YOUNG PEOPLE UNITE

Rikley-Lancaster said he's seeing more and more young people getting involved in their communities, because they can see "that there is space for them to be who they are."

He said there is a lot gained from having more diversity around us, the more we can grow as people, "and the more you're open to learn and embrace different people in society. That's really all we want, is a safe place to be our authentic selves."

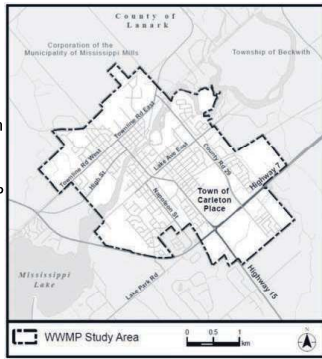
There will be something going on each week in June. Follow along at www.queerconnectionlanark.ca.

Water and Wastewater Master Plan



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Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplace.ca

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Espitia Contreras, Jenny

From: [REDACTED]
Sent: Tuesday, July 12, 2022 5:39 PM
To: Guy Bourgon
Cc: Alemany, Kevin; Wilder, Pierre; Langford, Amy; Raheem, Ferenaz
Subject: Re: Comments regarding the proposed Water and Wastewater Master Plan

Thank you for the responses to my questions/concerns, Guy (and team).
I appreciate the work and time that went into them.

My lingering concerns remain around growth projections and not having some additional capacity -- some wiggle room - included in this project and find the town having to reinvest in another expansion a mere 15 years down the road. Perhaps I'm overthinking and can look to other measures, like built-in water saving capacities, to extend the life of this build and avoid that outcome.

I'm looking forward to our review of the plan later next month.

[REDACTED]

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: July 12, 2022 11:49 AM
To: [REDACTED]
Cc: Alemany, Kevin <kevin.alemany@stantec.com>; Wilder, Pierre <Pierre.Wilder@stantec.com>; Langford, Amy <Amy.Langford@stantec.com>; Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>
Subject: RE: Comments regarding the proposed Water and Wastewater Master Plan

Good Morning [REDACTED],

My apologies for the delayed response as I was away on holidays last week. The project team has provided replies to your comments/questions below in your e-mail.

Please let us know if any further clarification is required.

Thanks,

Guy

From: [REDACTED]
Sent: June 22, 2022 1:14 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Comments regarding the proposed Water and Wastewater Master Plan

Hello Guy,

I've read through the proposed WWMP and found it to be a (very) thorough study of the current and future water and wastewater capacity for the Town. Most of the questions and concerns I had regarding this vital infrastructure were addressed to my satisfaction.

There are a few lingering concerns that I want to put forward.

1. I'm left wondering about the potential for contamination of water at the intake source, be that the result of toxic algae blooms in a warmer Mississippi Lake or the failure of the aging septic systems that surround it. Has this been addressed?

This will be further discussed in the Water Treatment Plant (WTP) Expansion Environmental Study Report (ESR) in Phase 3 of this project. The intake of the WTP is currently monitored continuously during the summer months for harmful algae blooms (HABs). There have not been any detected microcystins or other HAB toxins to date. A recommendation will be made in the ESR to continue monitoring for HABs in the summer months. The current and proposed water treatment process (ACTIFLO) has been shown to be effective at controlling toxins from cyanobacteria and other algae microorganisms. Another recommendation will be made in the ESR to design the proposed low lift pumping equipment to maintain hydraulic conditions to avoid breaking algae cell walls, and associated release of toxins. Failing septic systems are generally a greater risk to groundwater quality than surface water. The WTP processes are designed to remove contaminants that would be expected. The Mississippi Lake quality is also monitored and accelerated degradation could be identified early.

2. I'm also concerned that the growth forecasts, while breathtaking, could in fact be too conservative. I understand the importance of not overestimating growth and having the town find itself with a tax base smaller than it needs to pay for its infrastructure. However, I'd like to know if the capacity of the new infrastructure proposed is planned to meet the forecasted population of 25,000 in 2041 or to exceed it, and if so, by how much?

The new infrastructure will be designed to meet the 2041 population with current growth projections. Growth beyond this will require further expansion in the future if these growth projections are met.

3. Finally, I feel that the option of having a groundwater source for future water needs wasn't given the consideration it deserves as an alternate primary water supply as well as a backup. Beyond 2041, the most likely growth in the region will be to the north of the current town boundaries and to the west along Highway 7, within what is currently Mississippi Mills. The impacts of climate change are also accelerating, increasing the risks identified in the proposal. It may be worthwhile conducting the hydrogeological studies north of the river mentioned in the report, in partnership with Mississippi Mills, to assess that capacity.

Based on a preliminary assessment and review of previous studies, the Mississippi River capacity is adequate to meet future needs, and a change in the raw water source is not deemed necessary. Recent trends in water quantity and quality have been incorporated into the calculations for future water supply needs. The Town will re-evaluate in future studies if circumstances change. Additionally, the Town would have to undergo all the required processes to be able to extract groundwater. Groundwater extraction south of the Mississippi River may not be a viable option due to the presence of the Beckwith contaminated groundwater plume, which would create safety concerns. Hydrogeological investigations would be required to identify any groundwater potential north of the Mississippi River. Since the existing site has sufficient space to accommodate the proposed expansion up to 2041, building a municipal well was not a competitive option in terms of economic and environmental impacts. This could be revisited as an option beyond the proposed expansion.

4. One matter I don't recall seeing addressed in the WWMP is a contingency plan for water distribution if water supplied by the water treatment plant becomes unpotable/unavailable. The same can be said for contingencies if water conditions on the river impair discharge from the water treatment plant. Should such plans be addressed in the WWMP, or does that fall under the town's Emergency Plan?

The Mississippi Valley Conservation Authority (MVCA) currently monitors river levels and data is reviewed continuously to anticipate any changes in drinking water supply and assimilative capacity. A detailed Water Availability Study and Assimilative Capacity Study are in the process of being finalized for the Water Treatment Plant and Wastewater Treatment Plant respectively as part of the on-going EA process with considerable input from both the MVCA and MECP to ensure that their requirements are met prior to allowing the expansions to proceed. The Town will re-evaluate in future studies if circumstances with the Mississippi River projections change. A copy of the Town's Water Distribution Emergency Management Plan has been attached which speaks to contingency measures in the event of various threats to the water supply.

Congratulations, once again, for overseeing the production of this plan and I look forward to your responses.





**TOWN OF CARLETON PLACE WATER DISTRIBUTION
EMERGENCY MANAGEMENT PLAN**

December 2021

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Section 1 – Introduction & Policy Statement

The intent of this plan is to ensure the safety of the public in the most efficient way possible in the event of a major incident with serious implications. Specifically, this plan deals with events that may affect water quality within the distribution system.

Our goals are as follows:

Goal 1: Public Safety

Our primary goal is to ensure the supply of safe drinking water to our residents at all times.

Goal 2: Public Health

Water is essential to life and health however some needs are more immediate than others. For instance, hospitals, homes for the elderly and emergency shelters require continuous supply of safe drinking water.

The Water Distribution Emergency Management Plan does not replace the Municipal Emergency Plan.

Documents Associated with Distribution System Emergency Management Plan

- Municipal Emergency Plan
- Contingency Plans
- Standard Operating Procedures
- Distribution System Map

Guy Bourgon, Director of Public Works

Date

Section 2 – Emergency Response Contact List

System Owner Town of Carleton Place
175 Bridge Street Carleton Place Ontario K7C 4C1

Source Water Mississippi River

Water Treatment Plant Location 199 John Street Carleton Place
(Riverside Park)

Primary Municipal Contact Information

Name	Work #	Cell #
Guy Bourgon Director of Public Works	613-257-6209	613-451-5950
Graham Patterson PW Superintendent	613-257-3920	613-229-4134
Jason Jackson Lead Hand – Water / Wastewater	613-257-3920	613-913-7009
Mike Hart Lea Hand - Roads	613-257-3920	613-913-9285
Diane Smithson CAO	613-257-6255	613-229-5117
Pascal Meunier Director of Emergency Services - CEMC	613-257-5526	613-913-4186
Dave Joy Deputy Fire Chief	613-257-5526	613-223-6255
Matt Anderson Deputy Fire Chief	613-257-5526	613-913-9286

OCWA Contact Information - After Hours Emergency Paging Service 1-800-341-6276

Name	Work #	Cell #
Austin Mitchell Operations Manager	613-257-4990	613-257-9188
Andy Trader Regional Manager	613-257-1590	613-257-9202
Water Treatment Plant	613-257-1010	
Sewage Treatment Plant	613-257-4990	

Additional Emergency Contacts

Locates

Ontario One Call (ID # 198) 800-400-2255

Utility Emergency Contacts

Enbridge Gas 866-763-5427

Hydro One 800-434-1235

Ministry of Environment – Spills Action Centre

800-268-6060

MOE Ottawa

Tel: 613-521-3450

Lanark County Public Health

Emergency Line: 613-345-5685

Medical Officer of Health – Dr. Paula Stewart

Tel: 613-345-5685

Alternative Water Suppliers

Retail Locations that supply bottled water include:

- 💧 Wal-Mart Super Centre – 613-253-1319
- 💧 Mitchell's Independent Grocer – 613-253-6206 Owner Jeff Mitchell (Cell 613-795-1227)
- 💧 Freshco – 613-253-6141 Owner Peter Van Horik (Cell 613-207-0719)
- 💧 Giant Tiger – 613-253-5564 Manager Ray McLaren (Cell 613-227-5431)
- 💧 Home Depot – 613-253-3870

Before contacting bulk water haulers – contact Health Unit officials to confirm the bulk water haulers have been inspected annually by the Health Unit in accordance with Section 1 d) of the Drinking Water Protocol.

Culligan Bottled Water

Tel: 613-225-9175

800-267-8156

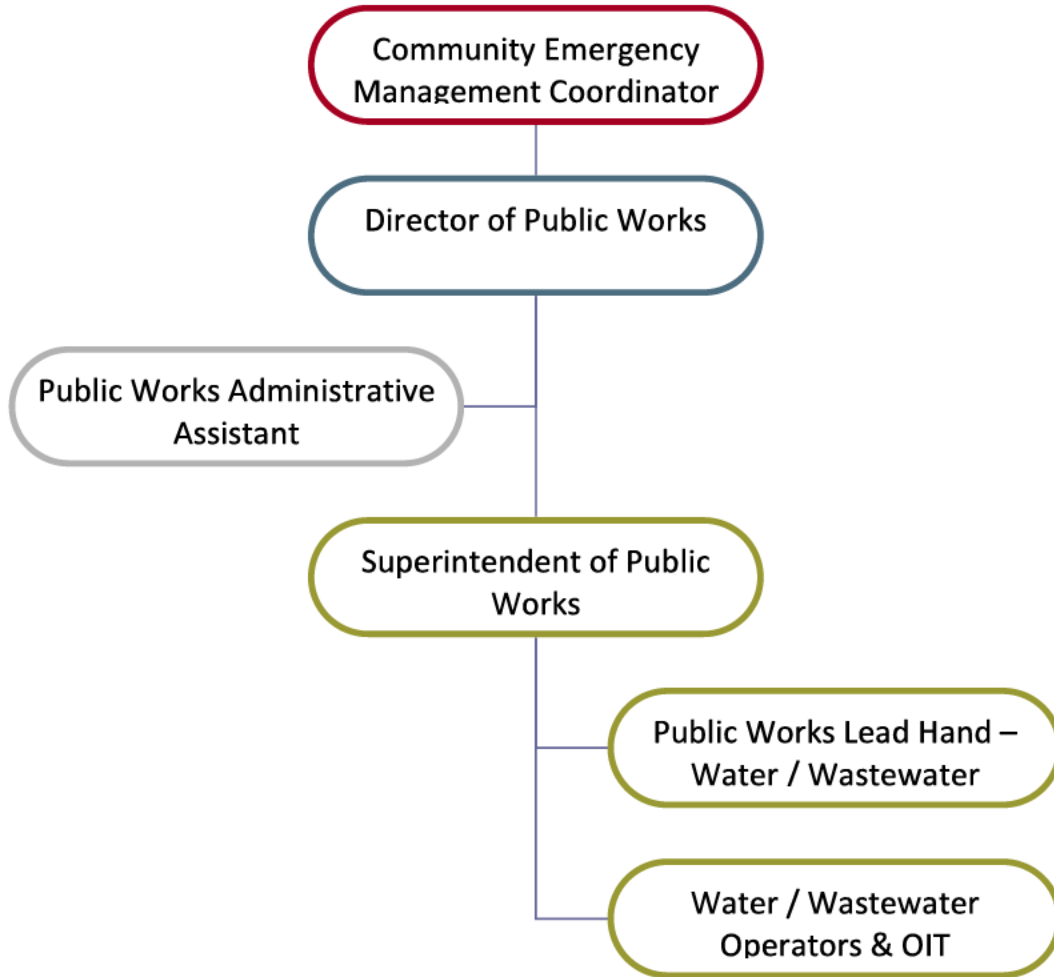
- 900 bottles per hour can be produced in Brockville
- have pallets of water on hand
- 5 trucks available to distribute water

Lanark Pure Country Water

Tel: 613-253-7472 (8am – 4pm)

- Can provide 500 ml bottles by the skid
- 200-300 5 gallon bottles on hand ready to distribute
- Can produce 300 5 gallon bottles each hour

Section 3 – Organizational Responsibilities



The Community Emergency Management Coordinator (CEMC) is responsible for activating the emergency notification system and the setup of the emergency operations centre. THE CEMC will execute the Municipal Emergency Plan.

The Director of Public Works is responsible for monitoring the distribution system for events. The Public Health Unit monitors the public for a public health event. The Public Works Director receives all reported incidents and evaluates the events and determines the appropriate action plan and will inform the CEMC.

Section 4 – Notification & Communication

The Community Emergency Management Coordinator (CEMC) will work with the Public Information Officer to notify the public in the event of a water emergency. The Director of Public Works will be responsible for notifying appropriate agencies such as Ministry of Environment.

Section 5 – Potential Emergency Situations

Many emergency situations can lead to the deterioration of the water quality. Contingency Plans have been developed to address the following situations:

- CP-PW-01 Contamination of the Distribution System - Boil Water Advisory
- CP-PW-02 Drinking Water Advisory/ Loss of Water Supply
- CP-PW-03 Staff Shortage
- CP-PW-04 Contamination of the Distribution System Due to a Negative Pressure Event
- CP-PW-05 WORKING IN THE VICINITY OF KNOWN CONTAMINATED SITES

Section 6 - Standard Operating Procedures

Operators will follow Standard Operating Procedures (PW400 Series) for the Water Distribution System.

Section 7 – Contingency Plans

Contamination of the Distribution System – Boil Water Advisory

TOWN OF CARLETON PLACE	
CONTINGENCY PLAN	DOCUMENT NO. CP-PW-01
CONTAMINATION OF THE DISTRIBUTION SYSTEM BOIL WATER ADVISORY	AUTHORIZED BY: Director of Public Works DATE PREPARED / REVISED: December 2012
Condition: Adverse test results of a drinking water test have been reported to the Health Unit and the Medical Officer of Health has issued a boil water advisory.	
Objective: Prevent illness from use of water by notifying users to boil water before using, identifying source of contamination and taking corrective action. All water used for drinking, preparing food, hot and cold beverages and ice cubes, washing fruits and vegetables, and dental hygiene must be boiled.	
Action: <ol style="list-style-type: none"> 1. Notify Health Unit 2. Notify Spills Action Center 3. Notify CEMC 4. Notify users as instructed by the Health Unit. 5. Notify priority customers and area municipalities 6. Determine source of contamination 7. Develop & implement remedial action plan to eliminate source of contamination 8. Commence flushing as indicated in PW404 (Flushing SOP) and sampling activities 9. Notify Health Unit & Spills Action Centre of sample results – the results will determine the length of the boil water advisory 	Person Responsible: Director of PW or designate Director of PW or designate Director of PW or designate CEMC Director of PW or designate Director of PW or designate Director of PW or designate Superintendent of PW or designate Director of PW or designate
After Action Required: After the boil water advisory has concluded, a review will be conducted to determine the effectiveness of the procedures in place. The review will be conducted within 14 days of the end of boil water advisory.	

Drinking Water Advisory

TOWN OF CARLETON PLACE	
CONTINGENCY PLAN	DOCUMENT NO. CP-PW-02
DRINKING WATER ADVISORY / LOSS OF WATER SUPPLY	AUTHORIZED BY: Director of Public Works DATE PREPARED / REVISED: December 2012
Condition: A condition exists that may result in a risk to consumers that cannot be corrected by boiling the water or by disinfection.	
Objective: Prevent illness from use of water by isolating the water supply from the user, identify source of contamination and take corrective action.	
Action: <ol style="list-style-type: none"> 1. Notify Health Unit 2. Notify Spills Action Center 3. Notify CEMC 4. Notify priority customers and area municipalities 5. Notify consumers to not use their water 6. Contact alternative water suppliers 7. Determine source of contamination 8. Develop & implement remedial action plan to eliminate source of contamination 9. Commence flushing as indicated in PW404 (Flushing SOP) and sampling activities 10. Notify Health Unit of sample results – the results will determine the length of the boil water advisory 	Person Responsible: Director of Public Works Director of Public Works Director of Public Works Director of PW or designate CEMC Director of PW or designate Director of PW or designate Director of PW or designate Superintendent of PW Director of PW or designate
After Action Required: After the drinking water advisory has concluded, a review will be conducted to determine the effectiveness of the procedures in place. The review will be conducted within 14 days of the end of drinking water advisory.	

Staff Shortage

TOWN OF CARLETON PLACE	
CONTINGENCY PLAN	DOCUMENT NO. CP-PW-03
STAFF SHORTAGE	AUTHORIZED BY: Director of Public Works DATE PREPARED / REVISED: April 2012
Condition: Certified operators are not available to maintain the water distribution system.	
Objective: To provide a safe staffing level to maintain the water distribution system.	
Action: <ol style="list-style-type: none"> 1. Director of Public Works will contact OCWA & neighboring municipalities to obtain additional certified operators to maintain the safety of the Town of Carleton Place water distribution system 2. Should a significant number of operators be required OCWA can obtain operators from outside the immediate area. 3. Should operators be acquired from outside Eastern Ontario, appropriate support will be provided i.e., accommodations, meals etc. 	Person Responsible: Director of Public Works or designate OCWA Director of Public Works or designate
After Action Required: After the staff shortage has concluded, a review will be conducted to determine the effectiveness of the procedures in place. The review will be conducted within 14 days of the end of the staff shortage.	

Contamination of the Distribution System Due to Negative Pressure Event

TOWN OF CARLETON PLACE	
CONTINGENCY PLAN	DOCUMENT NO. CP-PW-04
CONTAMINATION OF THE DISTRIBUTION SYSTEM DUE TO A NEGATIVE PRESSURE EVENT	AUTHORIZED BY: Director of Public Works DATE PREPARED / REVISED: October 2013
Condition: Due to a watermain failure a condition may arise in which ground water may contaminate the distribution system.	
Objective: Prevent illness from use of contaminated water by maintaining positive pressure in the distribution system	
Action: If personnel suspect a backflow or negative pressure event has occurred, they shall respond as follows: <ol style="list-style-type: none"> 1. Contact ORO immediately who will assess the severity. If the ORO determines the situation is not typical or beyond their ability to address; the ORO will contact the Director of Public Works 2. The Director of Public Works will assess the situation and determine what additional resources may be required including the CEMC 3. The Director of Public Works or designate shall in accordance with O. Reg. 170/03, immediately contact the following: <ol style="list-style-type: none"> a. Health Unit b. MOE Spills Action Centre c. Any other emergency personnel or agencies appropriate for the situation 4. With the assistance of the OCWA, MOE, and Health Unit determine the degree of health hazard based on the type of contamination found 5. Once appropriate contacts have been made the ORO in consultation with regulatory agencies shall ensure the following activities are completed without delay if determined to be necessary: <ol style="list-style-type: none"> a. Notify residents in the affected area b. Determine & isolate the suspected source of the backflow c. Isolate the affected portion of the distribution 	Person Responsible: ORO or designate Director of Public Works or designate Director of Public Works ORO or designate ORO or designate

TOWN OF CARLETON PLACE	
CONTINGENCY PLAN	DOCUMENT NO. CP-PW-05
WORKING IN THE VICINITY OF KNOWN CONTAMINATED SITES	AUTHORIZED BY: Director of Public Works DATE PREPARED / REVISED: October 2020
Condition: In the event of a failure of underground infrastructure in the vicinity of a known contaminated site	
Objective: Prevent illness or injury when repairing underground infrastructure where there is a potential interaction with contaminated material.	
Action: Once staff is aware of a failure of underground infrastructure they shall respond as follows: <ol style="list-style-type: none"> 1. Contact ORO immediately who will assess the severity. If the ORO determines the situation is not typical or beyond their ability to address, the ORO will contact the Director of Public Works. 2. The Director of Public Works or their designate will assess the situation and determine what additional resources may be required. 3. While the ORO and/or Director of Public Works is assessing the situation, Operators will locate and identify isolation valves in the impacted area and determine the number of properties impacted. 4. Staff will ensure appropriate PPE is worn at all times when in potential contact with any contamination. PPE could include eye protection, respiratory protection, and / or protection of skin. 5. Staff will follow the instructions / plan as determined by the ORO and / or Director of Public Works. 	Person Responsible: ORO or designate Director of Public Works or designate Water Operators ORO or Director of Public Works
After Action Required: Staff will document the occurrence in the system logbooks.	

Espitia Contreras, Jenny

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Thursday, June 23, 2022 8:47 AM
To: [REDACTED]
Cc: [REDACTED]; Langford, Amy; Wilder, Pierre; Alemany, Kevin; Raheem, Ferenaz
Subject: RE: Carleton Place WWMP

Categories: Yellow Category

Hi [REDACTED],

I acknowledge receipt of your comment regarding lands outside of the municipal boundary of the Town of Carleton Place.

Regards,

Guy

From: [REDACTED]
Sent: June 23, 2022 8:40 AM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Cc: [REDACTED]
Subject: Carleton Place WWMP

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hi Guy,

With respect to the recently completed WWMP, we would like to note our concern that the study did not take into account future development lands immediately south of the Town limit which have high potential for annexation (Beckwith) to support the Town's growth projections.

Sincerely,

[REDACTED]

Espitia Contreras, Jenny

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

-----Original Message-----

From: Guy Bourgon

Sent: July 13, 2022 7:50 AM

To: [REDACTED]

Subject: RE: Water 2022-07-12

Good Morning [REDACTED],

Thank you for your e-mail. The Town has been working through a Water and Wastewater Master Plan and Environmental Assessments for the expansion of our Water Treatment Plant and Wastewater Treatment Plant for the past 18 months. These plans address growth until the year 2041. This process is expected to be complete by the fall of 2022 after which we will move to the preparation of detailed designs for the plant expansions, tendering and then construction. The Town has been diligent in ensuring that capacity is available to support growth as growth occurs. Please feel free to learn more about our on-going process on the Town's website at the following link:

[https://can01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcarletonplace.ca%2Fwater-and-wastewater-](https://can01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcarletonplace.ca%2Fwater-and-wastewater-master-)

[plan.php&data=05%7C01%7Cferenaz.raheem%40stantec.com%7C705ba76631c04419608d08da64c6ae75%7C413c6f2c219a469297d3f2b4d80281e7%7C0%7C0%7C637933101736415938%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=rhlo%2FCofoaEe%2BDvNAIM2DgEYtEThr%2FJ3zMw88WyijOk%3D&reserved=0](https://can01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.carletonplace.ca%2F&data=05%7C01%7Cferenaz.raheem%40stantec.com%7C705ba76631c04419608d08da64c6ae75%7C413c6f2c219a469297d3f2b4d80281e7%7C0%7C0%7C637933101736415938%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=rhlo%2FCofoaEe%2BDvNAIM2DgEYtEThr%2FJ3zMw88WyijOk%3D&reserved=0)

Regards,

Guy Bourgon, P.Eng.

Director of Public Works

Town of Carleton Place

175 Bridge Street,

Carleton Place, ON K7C 2V8

Tel: 613-257-6209

Fax: 613-257-8170

Website:

<https://can01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.carletonplace.ca%2F&data=05%7C01%7Cferenaz.raheem%40stantec.com%7C705ba76631c04419608d08da64c6ae75%7C413c6f2c219a469297d3f2b4d80281e7%7C0%7C0%7C637933101736415938%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=N9jhoD9Cj3oPG99eiUs1q0on7Z1E5e7SdEyuazDRfR4%3D&reserved=0>

-----Original Message-----

From: [REDACTED]

Sent: July 12, 2022 5:39 PM

To: Guy Bourgon <gbourgon@carletonplace.ca>

Subject: Water

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Sir

Maybe it's because you keep building houses and adding people, how long will the current water filtration system support growth. Is there a long term plan for 10, 20, 50 years. Maybe that's a question for our politicians.

Respectfully



Espitia Contreras, Jenny

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Monday, July 11, 2022 11:28 AM
To: [REDACTED]
Cc: Alemany, Kevin; Wilder, Pierre; Langford, Amy; Raheem, Ferenaz
Subject: RE: Town of Carleton Place, Water and Wastewater Master Plan, Notice of Online PIC 1
Attachments: RE: Water

Good Morning [REDACTED],

The Town acknowledges receipt of your comments. You will recall that the Town responded to these comments on February 4th, 2022, a copy of which is attached for your reference.

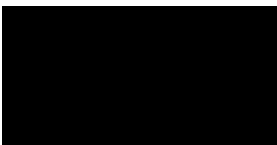
Thank you for your submission.

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
175 Bridge Street,
Carleton Place, ON K7C 2V8
Tel: 613-257-6209
Fax: 613-257-8170
Website: www.carletonplace.ca



From: [REDACTED]
Sent: Friday, July 1, 2022 9:31 AM
To: Robinson, Jennifer <Jennifer.Robinson@stantec.com>
Subject: Re: Town of Carleton Place, Water and Wastewater Master Plan, Notice of Online PIC 1

Hello Ms. Robinson. I have been disappointed for decades with the town's lackadaisical approach to water metering to be able to accurately charge for water/sewage usage. Especially when new developments are popping up. Along with residents who find it unnecessary to fix dripping taps or to replace toilets that require tsunamis to flush pee away, we have thoughtless residents who have set their automatic lawn sprinklers to run daily, rain or shine. And I have to pay for that as I watch "free" water being wasted.



On Feb. 3, 2022 3:43 p.m., "Robinson, Jennifer" <Jennifer.Robinson@stantec.com> wrote:

Hello,

Please find the attached Notice of Online Public Information Centre (PIC) 1 in association with the **Town of Carleton Place Water and Wastewater Master Plan Study**. As indicated within the attached notice, Online PIC 1 will be available to review at your leisure beginning **Thursday, February 10, 2022** on the study website (<https://carletonplace.ca/water-and-wastewater-master-plan.php>) and comments can be submitted until **Thursday, February 24, 2022**.

Should you have any comments and/or questions please do not hesitate to contact us.

Kind regards,

Jenn Robinson

Environmental Planner, Transportation GTA

OSEC, Whitby Office

Jennifer.Robinson@stantec.com

Stantec



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Espitia Contreras, Jenny

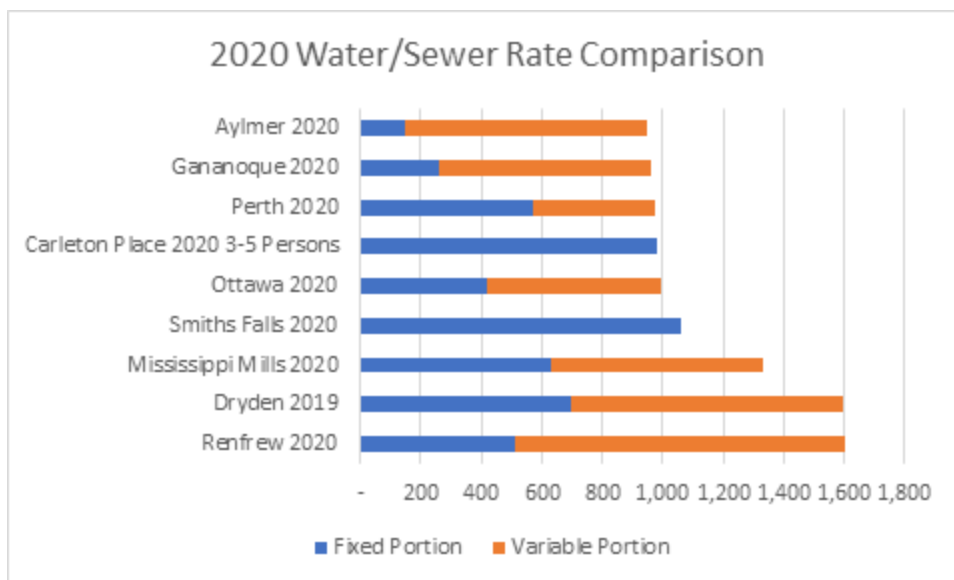
From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Friday, February 4, 2022 9:28 AM
To: [REDACTED]
Subject: RE: Water

Good Morning [REDACTED]

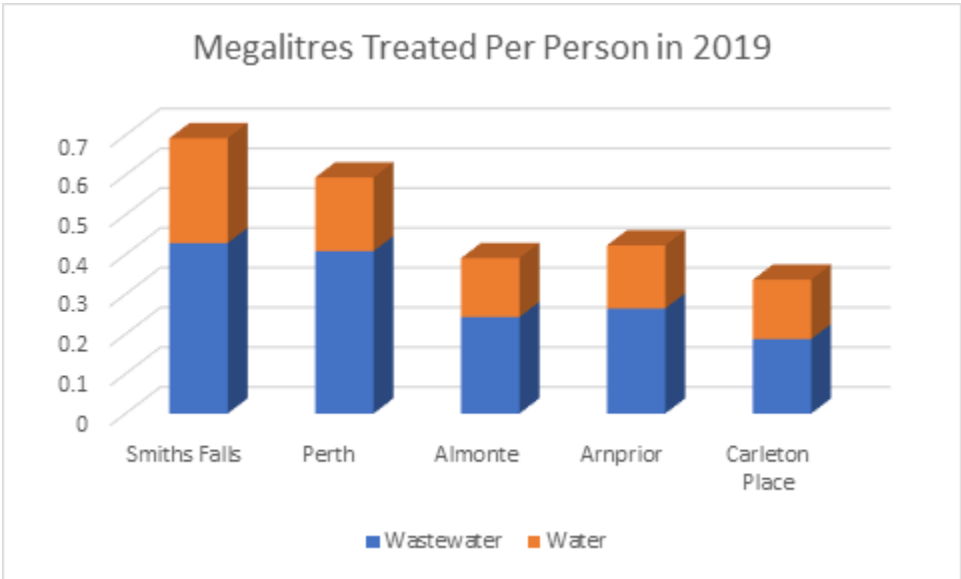
The Town has considered metering residential accounts in the past however have concluded that doing so would ultimately increase the cost of water and sewer services to residents for the following reasons:

- Cost of purchasing and installing meters for all residential connections
- Cost of staff or contracted service to read meters every billing cycle or software licences for remote reading system
- Cost for staff to enter meter readings into financial system
- Cost for saving for capital replacement of meters

In addition, there would still be a need to have a large fixed component on bills because most of the costs to provide these services are fixed and do not vary with the amount of water used (i.e., treatment plant operations, maintenance and replacement of underground infrastructure, staff at the treatment plants, etc....). Variable costs are very limited (i.e., chemicals used during treatment). Most other municipalities have a fixed portion on their bills for this reason. Carleton Place has been able to keep costs low partially as a result of this policy. The chart below shows Carleton Place's rates in 2020 compared to other municipalities.



Many municipalities went to metering in an effort to encourage reduced water usage however studies have now shown that rate of consumption is not significantly impacted by metering systems. The chart below shows evidence to support this by comparing local municipalities that have a variable portion to their bills a compared to Carleton Place that does not:



We continue to try to educate residents regarding the responsible use of our water resources and have recently implemented more restrictive measures for outdoor water use in the month of July, especially concerning lawn watering. Our By-law Officers have been enforcing these restrictions. We also communicate with our residents on our website, through our newsletter and by social media over the warmer months regarding excessive consumption statistics at our water plant and the need to conserve water and not use it wastefully outdoors. These measures did have a positive impact in 2021.

Please let me know if you have any further questions.

Regards,

Guy Bourgon, P.Eng.
 Director of Public Works
 Town of Carleton Place
 175 Bridge Street,
 Carleton Place, ON K7C 2V8
 Tel: 613-257-6209
 Fax: 613-257-8170
 Website: www.carletonplace.ca



From: [REDACTED]
Sent: February 4, 2022 8:54 AM

To: Guy Bourgon <gbourgon@carletonplace.ca>

Subject: Water

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hello Mr. Bourbon. Re the plan to optimize water usage and treatment for Carleton Place.

We spent extra costs on replacing the water-wasting out-dated toilets with low-flush toilets to save water and sewage outflows. Unless the town manages to get over the past practices of equal billing for all residents no matter how wasteful and thoughtless some are, I think that you are not just wasting your time but also will continue to waste a precious resource.

The town has to implement plans to encourage mindful actions re water and sewage and not just hire consultants for ideas.

When we first moved into town, we had to temporarily live in an apartment. I noticed that the bathroom sink and tub had taps that would not shut off and by the dark stains, had been running for some time. I asked the landlord for access to the basement so I could shut off the water to replace the washers since there weren't any at the sink nor tub. His reply was don't bother. We all pay the same water fees.

From what I witness around town with lawn sprinklers left on over a weekend, I don't think that this attitude is rare.

Thanks again

Espitia Contreras, Jenny

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Monday, July 25, 2022 8:30 AM
To: mliedtke@mvc.on.ca; Matt Craig
Cc: Langford, Amy; Alemany, Kevin; Wilder, Pierre
Subject: FW: Town of Carleton Place Water and Wastewater Master Plan - MVCA Comment Letter
Attachments: Carleton Place WTP & WWTP - Comment Letter - July 7 2022.pdf

Good Morning Mercedes,

The project team acknowledges receipt of a letter dated July 7, 2022, from the Mississippi Valley Conservation Authority (MVCA) regarding the Town of Carleton Place Water and Wastewater Master Plan Study - Phase 2 Report. We agree that:

- The MVCA should be consulted during future planning and design stages regarding any potential upgrades to water and wastewater infrastructure within the MVCA regulated area and/or floodplain of the Mississippi River, and
- Preparing for growth and the anticipated impacts of climate change are key objectives of this study and should continue to be for future planning and design stages.

The project team acknowledges the MVCA's comments regarding additional "Aquatic Environment" impacts of water treatment plant Alternatives C, D, and E and wastewater treatment Alternative A, which will be included in an edited version of the Alternative Evaluation Technical Memorandum and appended to the Water and Wastewater Environmental Study Reports (Phase 4 of this project).

Regards,

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
175 Bridge Street,
Carleton Place, ON K7C 2V8
Tel: 613-257-6209
Fax: 613-257-8170
Website: www.carletonplace.ca



From: Mercedes Liedtke <mliedtke@mvc.on.ca>
Sent: Thursday, July 7, 2022 10:50 AM
To: gbourgon@carletonplace.ca; Alemany, Kevin <kevin.alemany@stantec.com>
Cc: Matt Craig <mcraig@mvc.on.ca>
Subject: Town of Carleton Place Water and Wastewater Master Plan - MVCA Comment Letter

Good Morning,

Please find attached MVCA's comments regarding the Carleton Place Water & Wastewater Master Plan – Phase 2 Report.

Thank you,

Mercedes Liedtke, MSc. | Junior Planner | Mississippi Valley Conservation Authority

10970 Highway 7, Carleton Place, ON K7C 3P1

www.mvc.on.ca | t. 613 253 0006 ext. 267 | f. 613 253 0122 | mliedtke@mvc.on.ca





File: PMRZA-43

July 7, 2022

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place

Kevin Alemany
Project Manager
Stantec Consulting Ltd

Dear Guy and Kevin,

Re: Town of Carleton Place Water and Wastewater Master Plan Study – Phase 2 Report

The Mississippi Valley Conservation Authority (MVCA) staff appreciate the opportunity to provide input on the development of the new Water and Wastewater Master Plan – Phase 2 Report for the Town of Carleton Place.

A Municipal Class Environmental Assessment (MCEA) is being undertaken to identify problems and opportunities, identify alternative solutions, defined implementation plans and implement the solutions.

Based on a review of alternatives, the preferred alternatives were:

- To expand the existing water treatment plant (WTP) on the existing site at John St.
- To add water storage at the WTP site as part of the expansion
- To upgrade watermains in the water distribution system (WDS)
- To expand the existing wastewater treatment plan (WTP) on the existing site off Patterson Cres and partially into the neighboring property (Town's household hazardous waste and compost depot).

The existing capacity of the WTP is 10 000 m³/d which is limited by the low lift pumps. The capacity required to meet the planned growth is 20 700 m³/d. It is understood that a water availability assessment is ongoing to assess the impact of projected increased water taking needed to accommodate future growth on the river's water levels, which is identified in Phase 1 Report (provided in Appendix A.1).

We would like to take this opportunity to re-iterate our desire to work with the town in building resilience against impacts of climate change and sustained good water quality. The focus on efficient use of infrastructure in relation to sewage, water, and wastewater will be important in achieving the goals of increasing resiliency to extreme weather and reducing pollution and contamination. Please note that the MVCA should be consulted in regard to potential watermain upgrades or any other work within the regulated

area. Written permission may be required from the MVCA prior to straightening, changing, diverting or interfering in any way with the existing channel or the shoreline of a watercourse.

Natural Hazards:

Given the proximity of existing facilities to the river, the location of the floodplain needs to be considered throughout the planning and design phases for the proposed expansion to the WTP and WWTP. The proposed expansion footprint of the WTP currently extends into the regulation limit of the 1:100-year floodplain of Mississippi River.

Climate Change and Green Infrastructure:

Under the Provincial Policy Statement (2020) for managing growth and development, municipalities are requested to prepare for the impacts of a changing climate by:

- Incorporating efficiencies in their infrastructure and public service facilities;
- Planning for sewage and drinking water services, and stormwater management (including the use of green infrastructure);
- Protecting, improving or reporting the quality and quantity of water by evaluating and preparing for the impacts of a changing climate to water resource systems at the watershed level; and
- Mitigating potential risk to public health or safety or of property damage from natural hazards, and preparing for increased risks associated with natural hazards.

MVCA engineering staff have reviewed the Carleton Place Water and Wastewater Master Plan – Phase 2 Report (May 30, 2022) and offer the following comments and recommendations:

Aquatic Environment – Alternative C: Expanding Existing Site

- There is potential to impact water quantity during low flow conditions (resulting from increased extraction rate). The magnitude of this impact can be determined from Water Availability Study.

Aquatic Environment – Alternative D: Build New/Additional WTP behind Canoe Club

- There is potential to impact water quantity during low flow conditions (resulting from increased extraction rate). The magnitude of this impact can be determined from Water Availability Study.

Aquatic Environment – Alternative E: Municipal Groundwater Well

- There is the potential to contaminate groundwater with surface contaminants (if well is improperly sealed).

Aquatic Environment – Alternative A: Do nothing

- The risk of overloading the system resulting in runoff into local surface waters (i.e., Mississippi River) would negatively impact surface water quality (noted) as well as fish and fish habitat (not noted).

Our Engineering department looks forward to continued involvement in the review and development of this important document.

Yours truly,



Matt Craig
Manager - Planning & Regulations

Espitia Contreras, Jenny

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Wednesday, July 27, 2022 9:16 AM
To: [REDACTED]
Cc: Raheem, Ferenaz; Wilder, Pierre; Alemany, Kevin; Langford, Amy
Subject: RE: Water/Wastewater Master Plan feedback

Good Morning [REDACTED],

As indicated in our postings and on our website, the Notice of Study Completion was issued and the final public commenting period was opened June 2nd and ended July 5th, 2022.

I have responded to your points in your e-mail below.

Regards,

Guy

From: [REDACTED]
Sent: July 26, 2022 10:11 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Water/Wastewater Master Plan feedback

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hello Guy,

I haven't really participated in this master plan previously so I'm not 100% clear where in the process the plan is at this point. But I hope you can incorporate this feedback one way or another. Most of this feedback is based on the Stantec presentation during the May 10th CoW meeting.

Thanks,

General

I share [REDACTED] concern about funding the shortfall of these projects with future DCs. This is (potentially) a dangerous trap to fall into, in my opinion. Future growth is definitely not guaranteed, and there are plenty of towns with negative growth rates when their economic fundamentals change. And to an extent placing this burden on future developments will slightly dampen demand in Carleton Place (due to higher fees). And we may yet find other long term, DC-funded projects run into similar underfunding problems since presumably all of the same conditions will apply to those projects too.

On the other hand, I don't personally see "let's just not expand our infrastructure" as a viable alternative. I would like to see more information about possible phasing plans, "quick wins", deferral possibilities etc. I allude to one such possibility in the WWTP section below. In short, I hope that there may be a happy medium between the two extremes of "worry not - future DCs will definitely save us" and "let's just not expand our infrastructure".

Your comment is noted. This will be a decision of Council.

WTP

The report mentioned the positive fact that there are now 3 watermains crossing the river, providing much-needed redundancy to the North of town. My concern is that, with the recommended plan to concentrate most of the new infrastructure (storage, treatment) at the existing WTP site, would that create a redundancy risk of watermains leaving that site to the rest of Town?

Based on the map provided in the report, it appears that there are only 2 mains leaving the existing WTP site. With the intended concentration of new infrastructure at that site, I would expect much higher flows through those 2 existing mains. But these mains must be some of the oldest and most prone to failure in Town. For example, I am aware that there was an incident on the DRS property watermain last year (my wife reported it!)

While the Plan calls for repairs/upgrades to these 2 existing watermains, is there an additional need for a third main leaving the upgraded WTP site to provide greater redundancy?

Additional redundancy measures will be looked at as part of the detailed design of the plant expansion.

WWTP

If I understood the presentation correctly, it seemed to indicate that the majority of the need to expand this site is due to flows caused by infiltration & inflow of stormwater into the WWTP, considering the peak flow (30k in spring) is 370% of the annual average (7.9k). If this interpretation is correct, it would seem the problem is primarily I/I, and not due to growth - although of course growth contributes as well.

My question is: if we primarily have an I/I problem, shouldn't we be addressing that first, in order to achieve as much efficiency from the existing infrastructure as possible? I understand that that alone is insufficient to meet our required targets (Option B) - but how much efficiency can be achieved? Are there known "low hanging fruit" I/I problems that could be efficiently fixed? It could be possible that investing in solving some subset of the I/I problems would allow us to defer expanding the WWTP until such a time as our DCs are more properly implemented. And of course, fixing these problems will allow both our current, and upgraded WWTP to run more efficiently.

Rejecting Option B as a complete, long-term solution shouldn't preclude a proper discussion about opportunities to fix I/I problems.

The vast majority of the infrastructure in Town is under 45 years old through good asset management undertaken by the Town. Many older municipalities struggle with the same issue as often times sump pumps or weeping tiles in older neighborhoods are connected to the sanitary sewer, especially in areas which do not have storm sewers. The WWMP does recommend flow monitoring going forward to try to isolate areas of higher than expected flows.

From: [Guy Bourgon](#)
To: [REDACTED]
Cc: [Raheem, Ferenaz](#); [Wilder, Pierre](#); [Alemany, Kevin](#); [Langford, Amy](#)
Subject: RE: Water/Wastewater Master Plan feedback
Date: Tuesday, August 2, 2022 10:51:28 AM

Hi [REDACTED],

Thank you for the additional feedback. From experience in other municipalities, it is often quite difficult to get public buy-in to making changes with regard to the connection within their homes. Many residents will refuse access to their homes for inspections of this nature, possibly knowing that they have an illegal connection and not wanting to have a sump pump discharging onto their lawns, and/or not wanting to incur costs to make the necessary changes. The first step is attempting to define the extent of the issue through flow monitoring to see where we need to concentrate our efforts.

You are correct that the introduction of storm sewers on streets where none are currently existing is a very expensive proposition, and the reconnection of private plumbing to a new storm sewer is not guaranteed as there can be a substantial cost to each homeowner for works on their property.

Thanks again for your feedback.

Guy

From: [REDACTED]
Sent: July 29, 2022 10:46 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Cc: Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>; Wilder, Pierre <Pierre.Wilder@stantec.com>; Alemany, Kevin <kevin.alemany@stantec.com>; Langford, Amy <Amy.Langford@stantec.com>
Subject: Re: Water/Wastewater Master Plan feedback

Hello Guy,

Thanks for taking the time to respond, especially considering I have so completely missed the proper feedback period(s)!

My only additional piece of followup concerns the previously mentioned I/I issues. If I understood your comment here, it implies that the majority of I/I originates from private dwellings. If that's the case, would there be any sense in investigating some kind of incentive/grant scheme to property owners to address these issues? I have no idea whether the numbers for such a scheme would pan out (ie. if it would actually save enough money long-term to be worth the upfront cost). We're doing plenty of other sensible programs that are expected to pay off in the long term (eg. LED street lighting) including grants/subsidies (composters/rain barrels etc.) so there's precedent. Of course such schemes wouldn't affect the need for a WWTP expansion in the short term unfortunately.

Speaking personally, some <\$2000 (in 2019 prices....) eavestroughs completely prevented substantial water ingress into my basement during the spring melt, which I am certain was previously ending up in the sanitary sewer. From what I understand this is a fairly common occurrence in Carleton Place.

Additionally, your reply implied that there are areas that do not have storm sewers. Is it cost-effective/feasible to retrofit older neighbourhoods (as part of regular roadworks) with modern storm sewers?

Thanks,

[REDACTED]

On Wed, Jul 27, 2022 at 9:16 AM Guy Bourgon <gbourgon@carletonplace.ca> wrote:

Good Morning [REDACTED]

As indicated in our postings and on our website, the Notice of Study Completion was issued and the final public commenting period was opened June 2nd and ended July 5th, 2022.

I have responded to your points in your e-mail below.

Regards,

Guy

From: [REDACTED]
Sent: July 26, 2022 10:11 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Water/Wastewater Master Plan feedback

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hello Guy,

I haven't really participated in this master plan previously so I'm not 100% clear where in the process the plan is at this point. But I hope you can incorporate this feedback one way or another. Most of this feedback is based on the Stantec presentation during the May 10th CoW meeting.

Thanks,

[REDACTED]

General

I share Councillor Tennant's concern about funding the shortfall of these projects with future DCs. This is (potentially) a dangerous trap to fall into, in my opinion. Future growth is definitely not

guaranteed, and there are plenty of towns with negative growth rates when their economic fundamentals change. And to an extent placing this burden on future developments will slightly dampen demand in Carleton Place (due to higher fees). And we may yet find other long term, DC-funded projects run into similar underfunding problems since presumably all of the same conditions will apply to those projects too.

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From: [Guy Bourgon](#)
To: [Raheem, Ferenaz](#)
Subject: FW: Notices to Metis Nation of Ontario
Date: Monday, August 15, 2022 7:36:59 AM

See below.

From: [REDACTED]
Sent: August 5, 2022 4:21 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>; kevin.alemany@stantec.com
Subject: Notices to Metis Nation of Ontario

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hello,

The Metis Nation of Ontario (MNO) received a notice from Stantec in January or February 2022 by mail to the address Suite 1100-66 Slater St., Ottawa, ON.

I am writing to advise the Town of Carleton Place and Stantec Consulting that the Metis Nation of Ontario Lands, Resources and Consultations branch has not been processing paper (mailed-in) notices (e.g., plan amendments, zoning by-law amendments, notices of public meetings, notices of study commencement and completion) since COVID-19 office closures. Please do not send the MNO notifications by hard copy (paper) mail as they will not be processed or received by the appropriate Métis Regional Consultation Committee for their review and consideration.

Instead, please send electronic versions of these notices to the email address consultations@metisnation.org.

Kindly advise the clerk and all planning department staff of this request.

Many thanks,

[REDACTED]
[REDACTED]
Lands, Resources and Consultations
Métis Nation of Ontario
311-75 Sherbourne St.
Toronto, ON M5A 2P9
Cell: [REDACTED]
Ph: 416-977-9881 [REDACTED]
TF: 1-888-466-6684
E: [REDACTED]

This email is intended only for the named recipient(s) and may contain information that is CONFIDENTIAL. No waiver of privilege, confidence or otherwise is intended by virtue of this email. Any unauthorized copying is strictly prohibited. If you have received this email in error, or are not the named recipient, please immediately notify the

sender and destroy all copies of this email. Thank you.

Please consider the environment before printing this e-mail.

From: [REDACTED]
To: [Guy Bourgon](#)
Cc: [Raheem, Ferenaz](#); [Wilder, Pierre](#); [Langford, Amy](#); [Alemany, Kevin](#); [REDACTED]
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan
Date: Tuesday, August 23, 2022 2:38:50 PM
Attachments: [image001.jpg](#)
[image002.png](#)

Thanks Guy.

Can you also please add me to the circulation list for future PIC circulation?

Regards

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

This email, including any attachments, is for the sole use of the intended recipient(s) and may contain private, confidential, and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient or if this information has been inappropriately forwarded to you, please contact the sender by reply email and destroy all copies of the original.

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: August 23, 2022 1:27 PM
To: [REDACTED]
Cc: [Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>](mailto:Ferenaz.Raheem@stantec.com); [Wilder, Pierre <Pierre.Wilder@stantec.com>](mailto:Pierre.Wilder@stantec.com); [Langford, Amy <Amy.Langford@stantec.com>](mailto:Amy.Langford@stantec.com); [Alemany, Kevin <kevin.alemany@stantec.com>](mailto:kevin.alemany@stantec.com); [REDACTED]
[REDACTED]
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi [REDACTED],

Nice to hear from you. I hope is well with you as well.

You will find the report at the following link: <https://carletonplace.ca/water-and-wastewater-master-plan.php>

Regards,

Guy

From: [REDACTED]
Sent: August 23, 2022 1:03 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Cc: Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>; Wilder, Pierre <Pierre.Wilder@stantec.com>;
Langford, Amy <Amy.Langford@stantec.com>; Alemany, Kevin <kevin.alemany@stantec.com>; [REDACTED]
[REDACTED]
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

Hi Guy,
I hope things are well.
I understand that a special Committee of the Whole meeting is scheduled for this Thursday, to discuss the draft Transportation + Water/Wastewater Master Plans.
Based on the agenda, it appears that the draft Water/Wastewater Master Plan was presented at a May 11/22 CoW meeting and has already been posted for comments.
The minutes form CoW meeting May 10th identify that the report was presented, but the report is not attached.
Can you direct us to where we can find a copy of the draft report?

Thanks

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: May 11, 2022 10:00 AM
To: [REDACTED]
[REDACTED] Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>; Wilder, Pierre <Pierre.Wilder@stantec.com>; Langford, Amy <Amy.Langford@stantec.com>; Alemany, Kevin <kevin.alemany@stantec.com>
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi [REDACTED]

The draft W/WWMP has not yet been posted for 30 day public review. Our first step was to present to Council prior to getting the documents ready for posting. We will endeavour to do so now and the document will be made available on our website for public review and comment in the near future.

Regards,

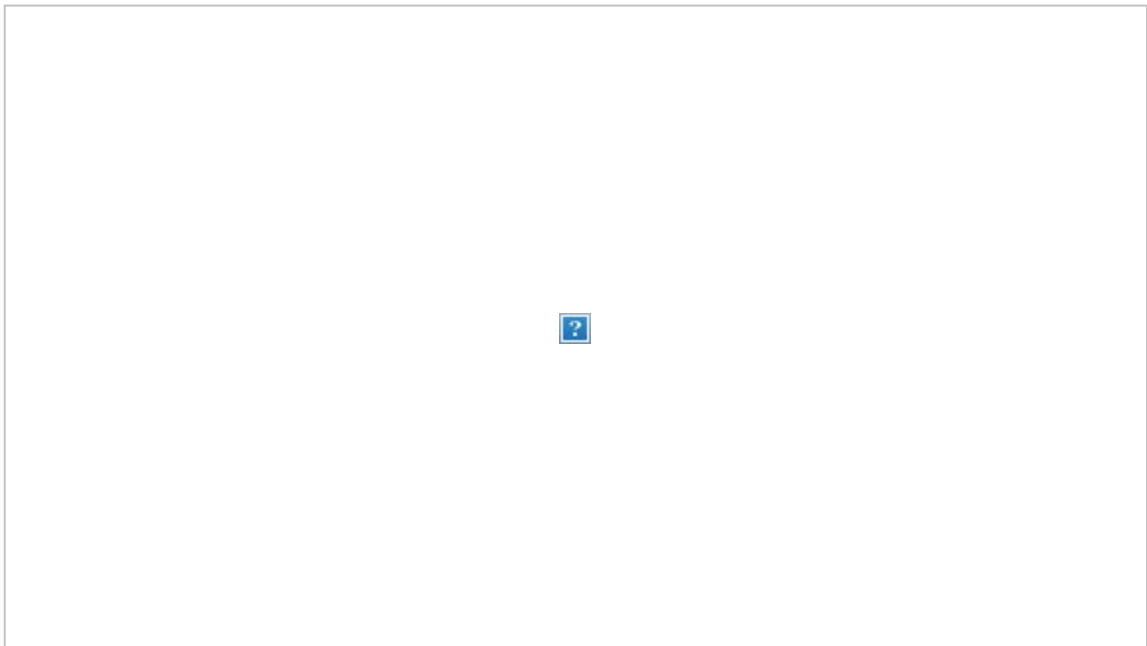
Guy

From: [REDACTED]
Sent: May 11, 2022 9:52 AM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Cc: [REDACTED]
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

Hi Guy,

1. In the Stantec presentation to the Committee of the Whole yesterday evening, there was a reference to an April 29th Draft Report.
Can you please send us a copy for review?
2. We note that the Schedule A/A+ water distribution system upgrades were presented at yesterday's meeting for the first time.
Are there any wastewater projects also being recommended in the 20-year planning horizon?

We'd like to better understand the recommended projects, given that we see that you are intending to wrap up the Schedule A/A+ projects this month.



Thanks,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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From: [REDACTED]
Sent: November 26, 2021 5:30 AM
To: 'Guy Bourgon' <gbourgon@carletonplace.ca>
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

Thanks, Guy.

I'm working on a due diligence exercise now, so I will be back in touch when we need modelling info as the project progresses.

Thanks again,

[REDACTED]

[REDACTED]

[REDACTED]

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From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: November 24, 2021 4:39 PM
To: [REDACTED]
Subject: RE: Town of Carleton Place - Water and Wastewater Master Plan

EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi [REDACTED],

You have been added to the list.

There are no recent versions of a water/wastewater master plan which has triggered the need for this study to be undertaken now. Our models have been kept up to date, however, and if you are in need of any information regarding water pressure and/or wastewater capacity in the collection system at a certain location in support of a development application, please just send me a request and I will have our consultant get that information for you.

Regards,

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
175 Bridge Street,
Carleton Place, ON K7C 2V8
Tel: 613-257-6209
Fax: 613-257-8170
Website: www.carletonplace.ca



From: [REDACTED]
Sent: November 24, 2021 7:11 AM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Town of Carleton Place - Water and Wastewater Master Plan

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Hi Guy,

Can I please be added to the mailing list for this study?

Also, could you please direct me to where I can view the latest version of the Servicing/Water and Wastewater Master Plan?

Thank you,

[REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

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From: [Raheem, Ferenaz](#)
To: [Raheem, Ferenaz](#)
Subject: RE: CP W&WW Master Plan - McNeely Landing
[REDACTED]
Attachments: [image001.png](#)

From: Guy Bourgon
Sent: September 8, 2022 1:41 PM
To: [REDACTED]
Cc: Niki Dwyer <ndwyer@carletonplace.ca>; [REDACTED]
Subject: RE: CP W&WW Master Plan - McNeely Landing

Good Afternoon [REDACTED],

The Water & Wastewater Master Plan Update used the 2021 Comprehensive Report to assume buildout / phasing and location of developments as it was the best available information provided by the Town at the time of the analysis. The linear infrastructure analyses were performed at a trunk-level for the Master Plan. Our review of future potable water servicing requirements indicates that there are no concerns for pressure or fire flows along the trunk watermain to the McNeely Landing area using the level of service parameters (i.e. pressures & fire flow demands) identified in the Master Plan assessment. This is based on the final buildout of the development and assumes that the required treatment plant expansions and watermain upgrades identified in the Master Plan have been completed. A separate study would be required to assess the capacity of the existing sanitary sewer system immediately downstream of McNeely Landing, including the Highway 7 sewage pumping station, to confirm the system needs to service this additional growth area beyond what was assessed in the Master Plan Update.

Regards,

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
175 Bridge Street,
Carleton Place, ON K7C 2V8
Tel: 613-257-6209
Fax: 613-257-8170
Website: www.carletonplace.ca



From: [REDACTED]
Sent: August 25, 2022 10:20 AM

To: Guy Bourgon <gbourgon@carletonplace.ca>

Cc: Niki Dwyer <ndwyer@carletonplace.ca>

Subject: CP W&WW Master Plan - McNeely Landing

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Hi Guy

Hope all is well.

I was just made aware of the recent Water & Wastewater Master Plan Update completed and had a bit of a concern regarding timing projections, that I was hoping you could provide some clarity for me.

The Main Body and Phase 1 report in Appendix 1 has figures that show McNeely Landing as being partially Urban Greenfield for land use(east), and not residential district (like the west part of the development). I see in the fine print that the source of the file is a 2021 file (perhaps that pre-dates the 2021 DPA we made). Other parts of the report suggest that build out would not occur till post 2041. The phasing and buildout are not shown from east to west as per recent correspondence with the Town/County; and the timing that our client desires and we had discussed with the Town is looking at build out in 2031.

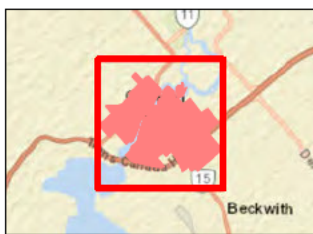
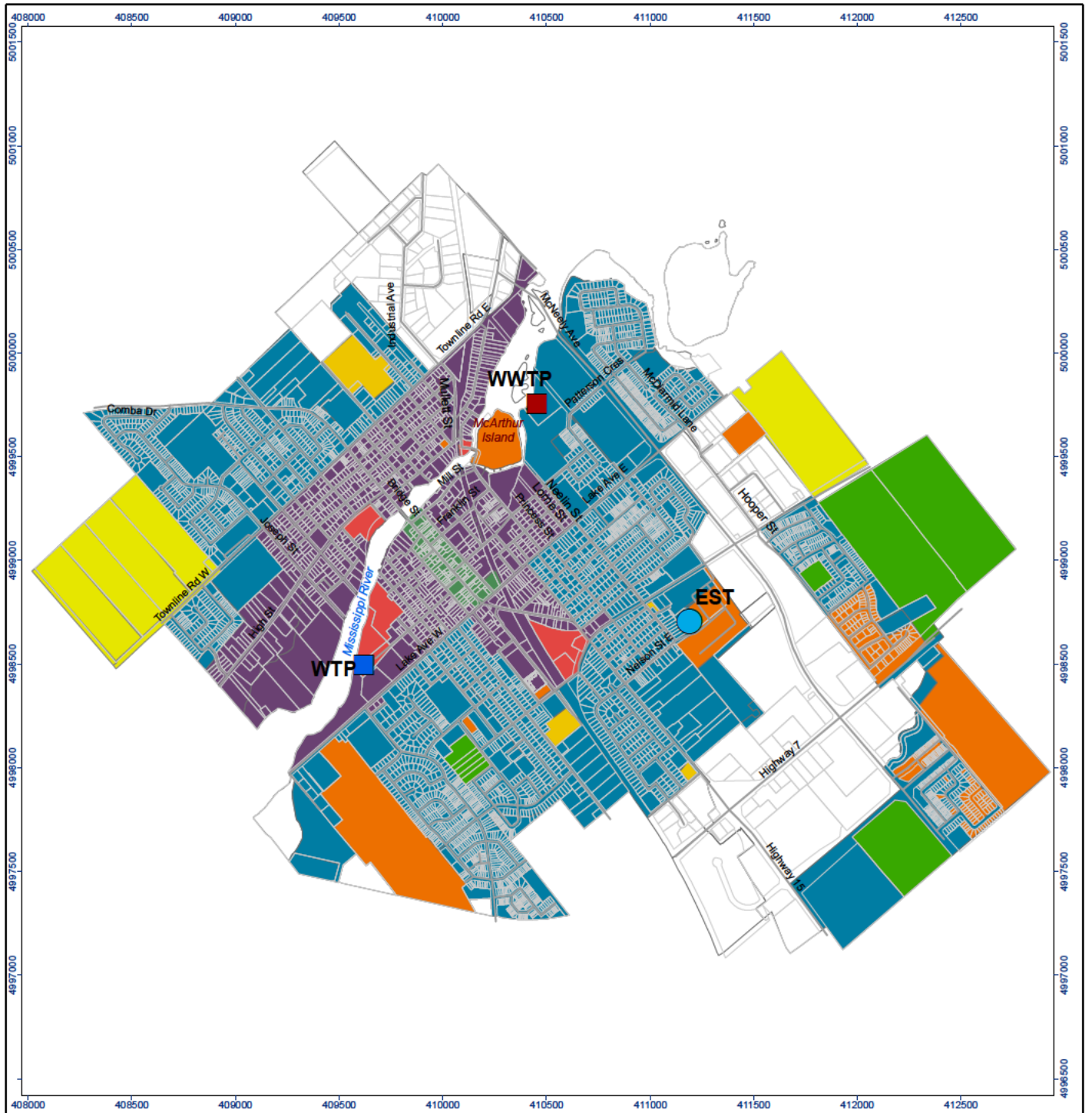
Are there any downstream water/waste water constraints on development of McNeely Landing (as presented in the DPA) within any of the projection years of 2026, 2031 and 2041?

Your input is appreciated.

Thanks

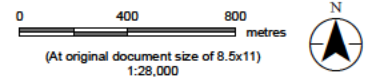
[Redacted signature block]

The information contained in this email message is confidential and is for exclusive use of the addressee.



Legend

- Elevated Storage Tank (EST)
- Wastewater Treatment Plant (WWTTP)
- Water Treatment Plant (WTP)
- Strategic Properties
- Downtown District
- Intensification Sites
- Mississippi Residential Sector
- Residential District
- Urban Greenfield
- Rural Greenfield
- No Projected Development as per Comprehensive Review
- Active Development Applications

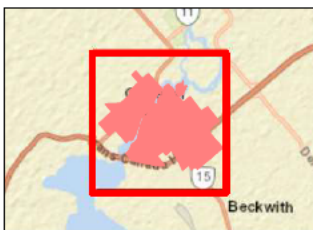
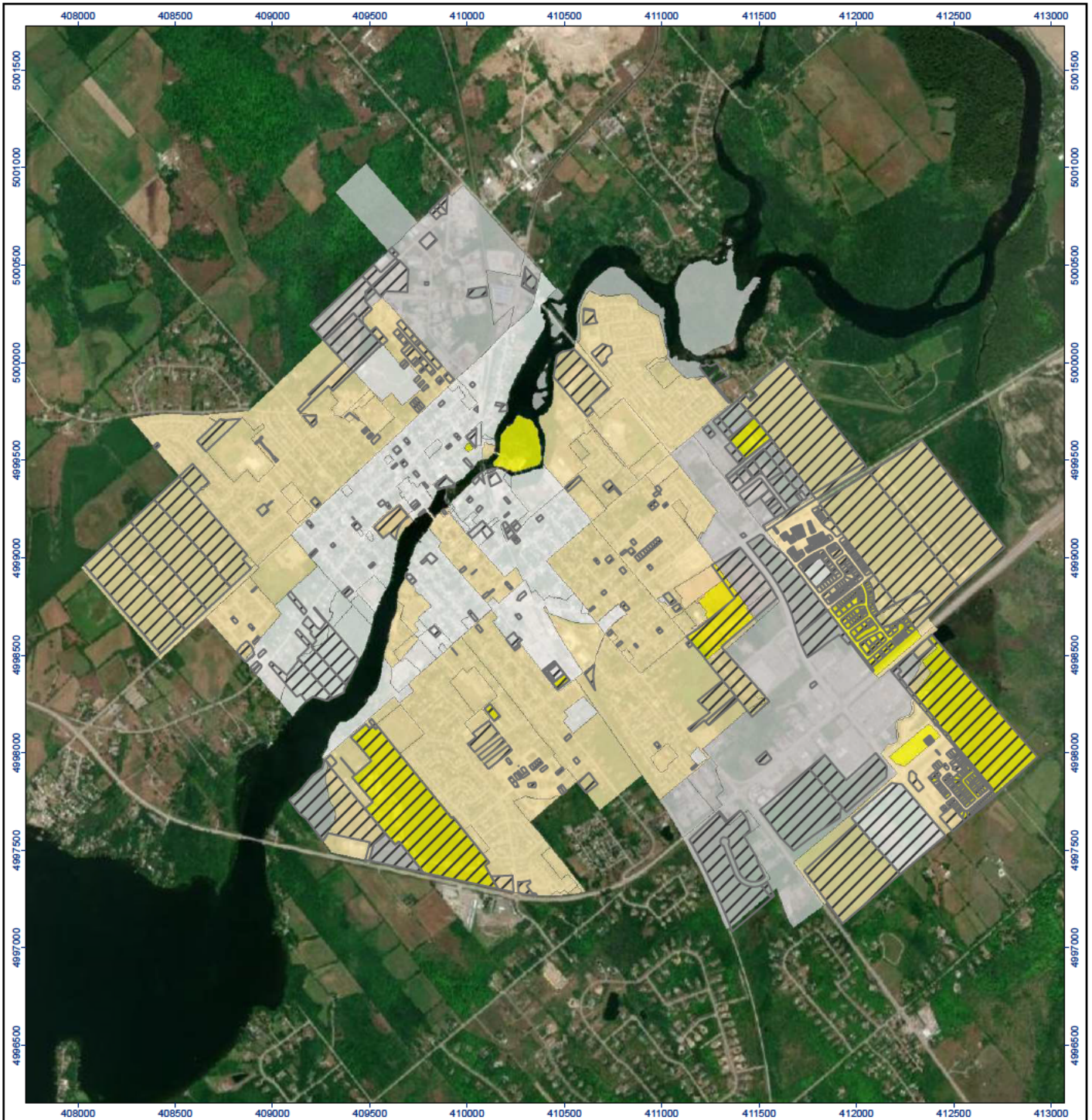


Carleton Place, ON
 Client/Project Carleton Place W&WW Master Plan
 Town of Carleton Place
 Carleton Place W&WW Master Plan
 Phase 1 Report








Figure No.
2-1

Title
Future Growth Areas

Notes
 1. Coordinate System: NAD 1983 UTM Zone 18N
 2. Data Sources: *parcelfabric.shp* and *Road_CL.shp* provided by the Town of Carleton Place, *DP_landuse.shp* provided by J.L. Richards.
 3. Projected development areas as defined in J.L. Richards *Council Report for Comprehensive Review* (J.L. Richards, 2021)
 34. Background: Sources: Esri, HERE, Garmin.

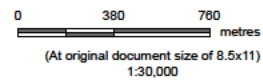


Legend

-  Vacant Land
-  No Planned Development
-  0% Developed
-  ≥ 25% Developed
-  ≥ 50% Developed
-  ≥ 80% Developed
-  100% Developed

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Data Sources: *parcelfabric.shp* provided by the Town of Carleton Place and *DP_landuse.shp* provided by J.L. Richards
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Project Location

Carleton Place, ON

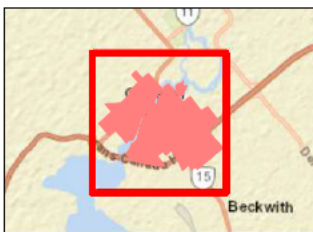
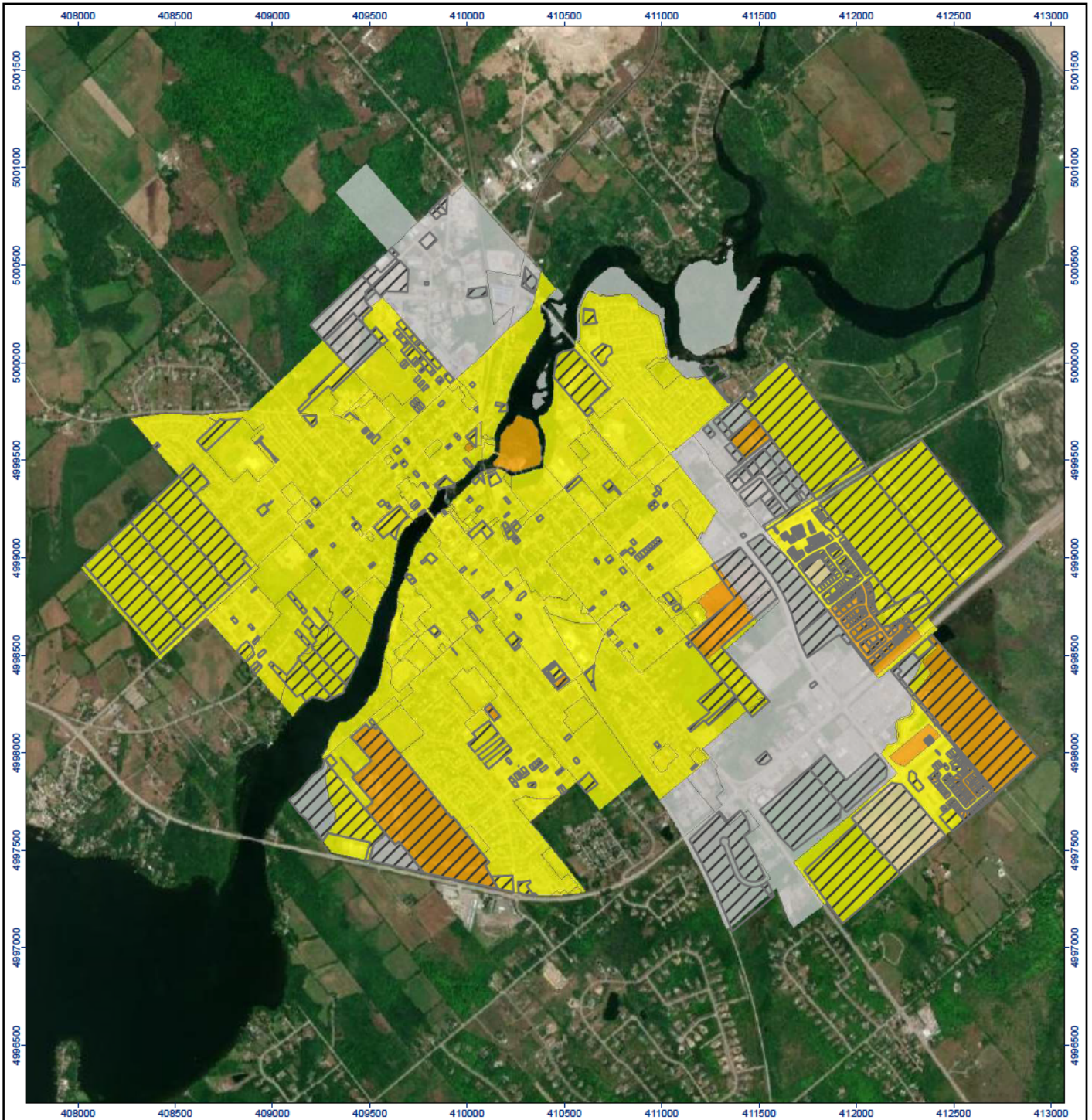
Client/Project: Carleton Place W&WW Master Plan
 Town of Carleton Place
 Carleton Place W&WW Master Plan
 Design Basis Memo

Figure No.








A-1

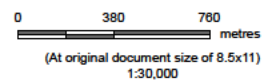
Title

Projected Land Development in Carleton Place (2026)



Legend

-  Vacant Land
-  No Planned Development
-  0% Developed
-  ≥ 25% Developed
-  ≥ 50% Developed
-  ≥ 80% Developed
-  100% Developed



Project Location

Carleton Place, ON

Client/Project Carleton Place W&WW Master Plan
 Town of Carleton Place
 Carleton Place W&WW Master Plan
 Design Basis Memo

Figure No.

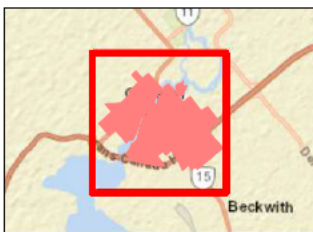
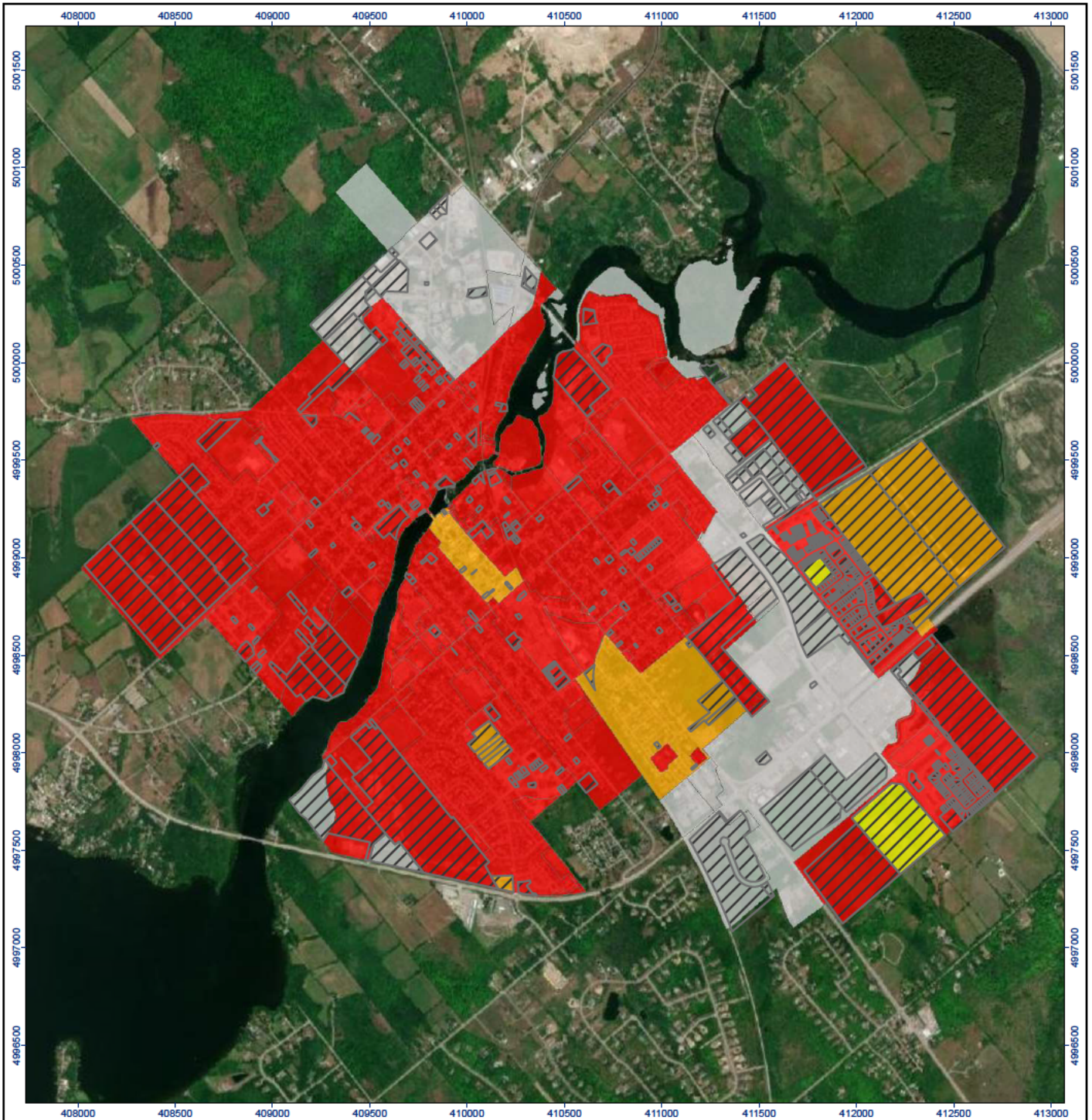
A-2

Title








Projected Land Development in Carleton Place (2031)

Notes
 1. Coordinate System: NAD 1983 UTM Zone 18N
 2. Data Sources: *parcelfabric.shp* provided by the Town of Carleton Place and *DP_landuse.shp* provided by J.L. Richards
 3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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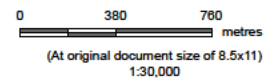


Legend

-  Vacant Land
-  No Planned Development
-  0% Developed
-  ≥ 25% Developed
-  ≥ 50% Developed
-  ≥ 80% Developed
-  100% Developed

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Data Sources: *parcelfabric.shp* provided by the Town of Carleton Place and *DP_landuse.shp* provided by J.L. Richards
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Project Location

Carleton Place, ON

Client/Project Carleton Place W&WW Master Plan
 Town of Carleton Place
 Carleton Place W&WW Master Plan
 Design Basis Memo

Figure No.
 A-3

Projected Land Development in Carleton Place (2041)

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Espitia Contreras, Jenny

From: Raheem, Ferenaz
Sent: Thursday, December 1, 2022 9:46 AM
Cc: gbourgon@carletonplace.ca; Alemany, Kevin
Subject: Town of Carleton Place Water and Wastewater Treatment Plant Expansion - Notice of Commencement and Public Information Centre
Attachments: no_PIC2_cp_wwmp_final_20221123_Rev1.pdf

Hello,

Please find the attached Notice Study Commencement and Online Public Information Centre (PIC) in association with the **Town of Carleton Place Water and Wastewater Treatment Plant Expansions**. As indicated within the attached Environmental Assessment notice, the online PIC materials in the form of a recorded presentation is available to review beginning **Monday, December 5, 2022** on the study website (<https://carletonplace.ca/wwtp-expansion-eas.php> - click 'Recorded Presentation') and comments submitted by **Monday, December 19, 2022** will be reflected in the public record.

Should you have any comments and/or questions please do not hesitate to contact the Project Team per the attached Notice.

Best Regards,

Ferenaz Raheem RPP MCIP

Senior Environmental Planner /
Ottawa Office Leader

ferenaz.raheem@stantec.com

Stantec
400 - 1331 Clyde Avenue
Ottawa ON K2C 3G4





Municipal Matters December 1st, 2022

Council & Committee of the Whole

Tuesday, December 6th, 2022

The next regularly scheduled Council and Committee of the Whole meeting will be on **Tuesday, December 6th, 2022**. Please see the Town's website at www.carletonplace.ca for start time and associated documents.

Notice of Commencement & Online Public Information Centre

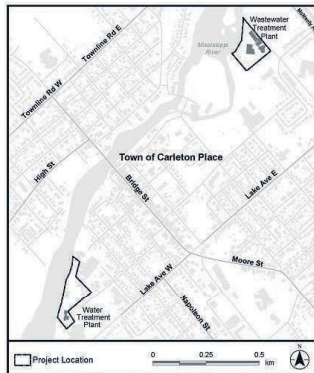
The Town of Carleton Place (Town) Council approved the updated Water and Wastewater Master Plan in September 2022. A recommended number of water and wastewater projects were identified as part of the Master Plan, including the expansion of the Water Treatment Plant and the Wastewater Treatment Plant. The Town is now initiating Phases 3 and 4 of the Municipal Class Environmental Assessment (Class EA) process for the proposed modifications to the existing Water and Wastewater Treatment Plants.

Study Process

Both studies are being undertaken in accordance with the Class EA planning and design process for Schedule C projects, as outlined in the Municipal Engineers Association document (October 2000, amended in 2007, 2011 and 2015), which is approved under the Ontario Environmental Assessment Act. The Master Plan was undertaken in accordance with the Master Plan process, which generally addresses Phases 1 and 2 of the Class EA process. The Town is proceeding with Phases 3 and 4 of the Class EA process to complete the planning and preliminary design for these recommended projects, which generally includes identifying and evaluating a range of alternative design concepts, identifying a preferred design, and documenting the decision-making process within an Environmental Study Report.

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We look forward to hearing from you!

Please visit the Town's website or contact one of the following study team members if you would like to learn more about this study, to be added to the study mailing list, provide comments, or have any accessibility requests:

Guy Bourgon, P.Eng.

Director of Public Works

Town of Carleton Place

Tel: 613-257-6209

Email: gbourgon@carletonplace.ca

Kevin Alemany

Project Manager

Stantec Consulting Ltd.

Tel: 613-724-4091

Email: kevin.alemany@stantec.com

All information will be collected in accordance with the Freedom of Information and Protection of Privacy Act (2009). With the exception of personal information, all comments will become part of the public record.

Overnight Winter Parking Restrictions Start November 15th

Starting November 15th, 2022, through to April 1st, 2023, overnight on-street parking will be strictly prohibited between the hours of 12:00 a.m. and 7:00 a.m., regardless of weather conditions, to allow for thorough and efficient winter maintenance operations. The Town has a legal responsibility to provide safe roadways for our community and to maintain our streets and sidewalks in accordance with Provincial Minimum Maintenance Standards.

Vehicles parked in violation of the ban may be ticketed and towed to the Public Library parking lot at 101 Beckwith Street.

There are seven (7) areas in Town that can be used as overnight parking areas from 7:00 p.m. to 11:00 a.m.:

1. 10 spaces at the east end of the Riverside Park parking lot at the end of John Street.
2. Approximately eight (8) spots in the gravel parking lot for Carleton Junction on Coleman Street.
3. Approximately 10 to 12 spaces in the gravel area on Cavanagh Road next to the tower and stormwater pond.
4. Approximately six (6) spaces in the temporary gravel area at the south end of McNeely Avenue by the trail.
5. Approximately 10 to 12 spaces in the Centennial Park Parking Lot on Joseph Street.
6. Carleton Place Public Library parking lot – nine (9) signed spaces adjacent to Judson Street.
7. Southerly end of Power Street - Municipal gravel parking lot in its entirety.

All vehicles parked in the designated overnight areas MUST be removed by 11:00 a.m. the following day at the latest to allow for snow removal or risk being ticketed and towed to the Carleton Place Public Library Parking Lot at 101 Beckwith Street.

We appreciate your support and if you have any questions, please contact the Public Works Department at 613-257-2253.

NOTICE OF COMMENCEMENT & ONLINE PUBLIC INFORMATION CENTRE

The Town of Carleton Place (Town) Council approved the updated Water and Wastewater Master Plan in September 2022. A recommended number of water and wastewater projects were identified as part of the Master Plan, including the expansion of the Water Treatment Plant and the Wastewater Treatment Plant. The Town is now initiating Phases 3 and 4 of the Municipal Class Environmental Assessment (Class EA) process for the proposed modifications to the existing Water and Wastewater Treatment Plants.

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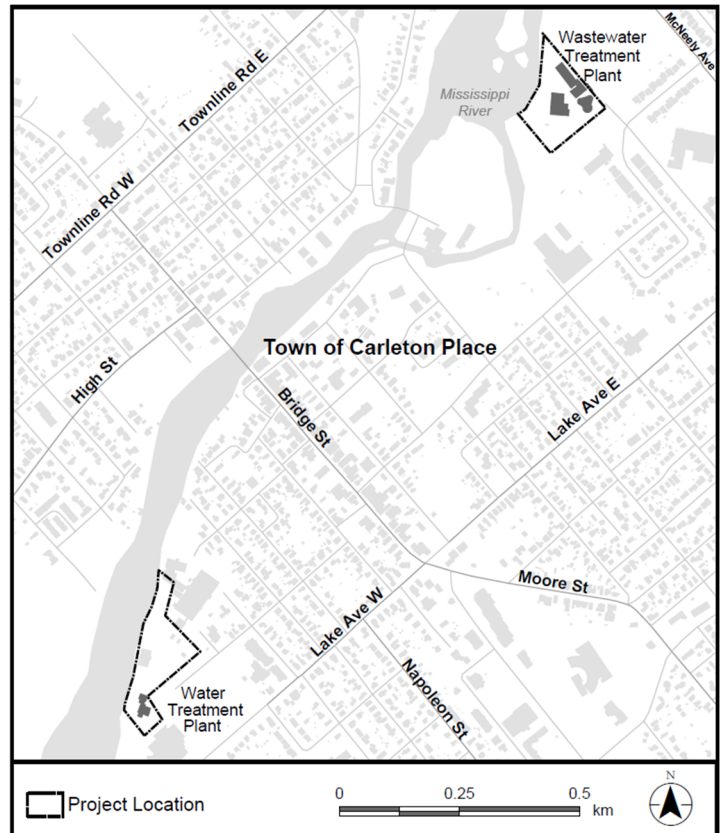
We look forward to hearing from you!

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Evelyn Harford/Metroland

Dr. Linna Li, medical officer of health for the Leeds, Grenville Lanark District Health Unit, recommends people wear masks as respiratory viruses circulate in the community.

MASKING ENCOURAGED IN WAKE OF PEDIATRIC FLU DEATH

EVELYN HARFORD
eharford@metroland.com

After the flu caused the death of a small child in Lanark County this November, doctors are calling for the public to wear masks as respiratory viruses circulate.

"We are asking everyone to wear a well-fitted mask when indoors, in crowded public places and around those most vulnerable — many of them may not be able to wear or tolerate masks," said Dr. Linna Li, medical officer of health for the Leeds, Grenville and Lanark District Health Unit. "People should also consider bringing a mask with them wherever they go, so they can slip one on if the occasional calls for it."

Masking can help reduce the transmission of respiratory viruses such as flu, respiratory syncytial virus (RSV) and COVID-19. While no provincial mask mandate is in place, top doctors recommend their use.

Carleton Place & District Memorial Hospital (CPDMH) chief of staff Dr.

Allyson Champagne called mandating masking a contentious issue, but "it helps reduce transmission of respiratory viruses when we are indoors and unable to maintain social distancing."

Li explained masks are just one layer of protection people should use. Others: staying home if sick, getting flu and COVID-19 shots, washing hands frequently, avoid touching your eyes, nose and mouth, cleaning high-touch surfaces and covering coughs and sneezes.

"We layer up and down based on levels of risk," Champagne added. "Layers include vaccination, self-monitoring for symptoms and staying away from others when symptomatic, in addition to wearing a mask, avoiding crowded indoor spaces and maintaining physical distancing when you can."

The health unit continues to advocate for a provincial and regional approach.

"We do not currently have any plans to institute a mask mandate," said Li.

Renfrew County's top doctor has supported a mask mandate. The recent flu death draws attention to the dangers of respiratory illnesses — especially on young children, the elderly and pregnant people.

Of the recent death, Li said: "This is an incredibly tragic situation and my heart goes out to her family and community. I hope everyone will give their family and loved ones a big hug. We deal with numbers and cases but the bottom line is that these viruses affect people."

According to Li, the total number of regional flu deaths from year to year isn't clear because flu testing has been limited in the past and so it's difficult to gauge the true number — which is the case for smaller regions like Leeds, Grenville and Lanark.

She explained testing eligibility for both flu and RSV, which particularly impacts young children more severely, is very limited.

"RSV is not reportable

See **HEALTH**, page 4



Municipal Matters December 8th, 2022

Council & Committee of the Whole

Tuesday, December 13th, 2022

The next regularly scheduled Council and Committee of the Whole meeting, and the last meeting of 2022, will be held on **Tuesday, December 13th, 2022**. Please see the Town's website at www.carletonplace.ca for start time and associated documents.

The next regularly scheduled meeting following the Christmas break will be on Tuesday, January 10th, 2023.

Notice of Commencement & Online Public Information Centre

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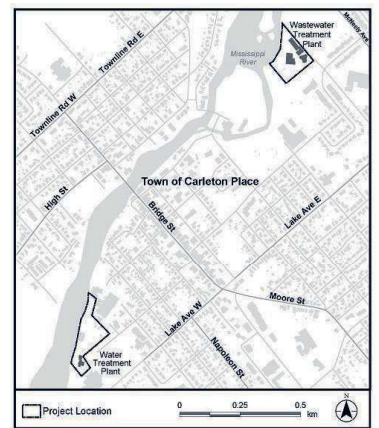
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Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplace.ca

Kevin Alemany
Project Manager
Stantec Consulting Ltd.
Tel: 613-724-4091
Email: kevin.alemany@stantec.com

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From: [Guy Bourgon](#)
To: [Raheem, Ferenaz](#)
Subject: FW: Notice of Commencement and Online Public Information Centre – Water and Wastewater Treatment Plants:
Date: Monday, November 28, 2022 10:20:15 AM

Here is the first comment and response.

From: Amanda Charania <acharania@carletonplace.ca>
Sent: November 28, 2022 10:15 AM
To: [REDACTED]
Cc: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: RE: Notice of Commencement and Online Public Information Centre – Water and Wastewater Treatment Plants:

We will be uploading material to the website sometime later this week that is intended for the general public. If you have questions about the project, please contact Guy Bourgon, Director of Public Works as requested in the ad below:

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplace.ca

Amanda Charania

From: [REDACTED]
Sent: November 24, 2022 11:51 PM
To: Amanda Charania <acharania@carletonplace.ca>
Subject: Notice of Commencement and Online Public Information Centre – Water and Wastewater Treatment Plants:

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Did somebody really think that anybody, other than an engineer - rather than the general population of CP, would actually understand this request for participation? You're sure to not get people 'hearing from you'. Is this by design?

Notice of Commencement and Online Public Information Centre – Water and Wastewater Treatment Plants

The Town of Carleton Place (Town) Council approved the updated Water and Wastewater Master Plan in September 2022. A recommended number of water and wastewater projects were identified as part of the Master Plan, including the expansion of the Water Treatment Plant and the Wastewater Treatment Plant. The Town is now initiating Phases 3 and 4 of the Municipal Class Environmental Assessment (Class EA) process for the proposed modifications to the existing Water and Wastewater Treatment Plants.

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Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplace.ca

Kevin Alemany
Project Manager
Stantec Consulting Ltd.
Tel: 613-724-4091
Email: kevin.alemany@stantec.com

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From: [Guy Bourgon](#)
To: [REDACTED]
Cc: [Sally McIntyre](#); [Raheem, Ferenaz](#); [Wilder, Pierre](#); [Alemany, Kevin](#)
Subject: RE: WTP Expansion
Date: Tuesday, December 6, 2022 8:00:05 AM
Attachments: [image001.png](#)

Good Morning [REDACTED]

Thank you for your comments. Our consultant, Stantec, has completed a comprehensive water availability study associated with the water taking for the expansion of the Water Treatment Plant (WTP). This study has been reviewed by both the Mississippi Valley Conservation Authority and the Ministry of the Environment, Conservation and Parks. The study concluded that there will be sufficient water quantity and quality both now and in the future for this expansion of the WTP. The water availability study will form part of the Environmental Study Report (ESR) which will be completed and posted for public review after this current round of public consultation.

Regards,

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
175 Bridge Street,
Carleton Place, ON K7C 2V8
Tel: 613-257-6209
Fax: 613-257-8170
Website: www.carletonplace.ca



From: [REDACTED]
Sent: December 5, 2022 8:05 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Cc: Sally McIntyre <smcintyre@mvc.on.ca>
Subject: WTP Expansion

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Guy,

I accessed and observed the online presentation on the expansion of the WTP and WWTP facilities. The material was clear and appeared to be comprehensive, but one would have to be involved in the technologies proposed to be able judge their

effectiveness and comparative advantages. I assume experts have reviewed these and their deliberations will be included in subsequent reports.

I think the Achilles heel in the WTP proposal is the assumption that Mississippi River will always be capable of providing water of a quality that the WTP will be able to process into potable water. As you are in no doubt aware, Carleton Place is the only community in the watershed that uses surface water as drinking water source. Climate change is likely to degrade the river's water quality and may even reduce it's flow just when the Town's needs would be at a seasonal peak. This issue needs to be addressed as part of the study/process.

I look forward to this issue's inclusion in the recorded feedback to the study.

Sincerely,

[Redacted signature]

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From: [Guy Bourgon](#)
To: [REDACTED]
Cc: [Raheem, Ferenaz](#)
Subject: RE: Study Website
Date: Wednesday, December 7, 2022 11:04:16 AM
Attachments: [image001.png](#)
[image002.png](#)

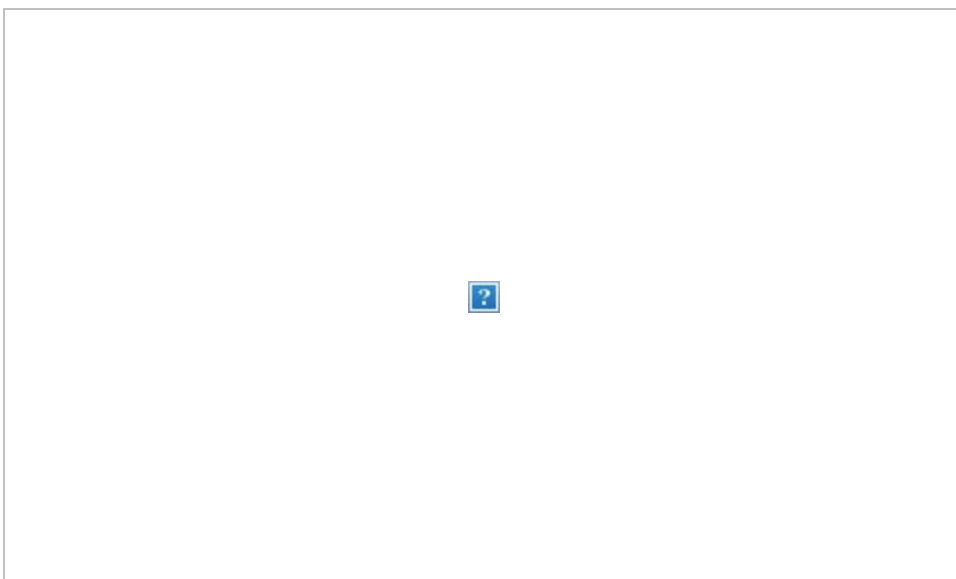
Good Morning [REDACTED],

The Town does promote water conservation from May through September on our website and through social media, and does restrict lawn watering to even days for even addresses and odd days for odd addresses between the hours of 5:00 am-9:00 am and 7:00pm-11:00pm with the exception of July which was recently limited to evening hours only. These measures did have a positive impact in 2021 and 2022. By-law Services are responsible for enforcing these restrictions.

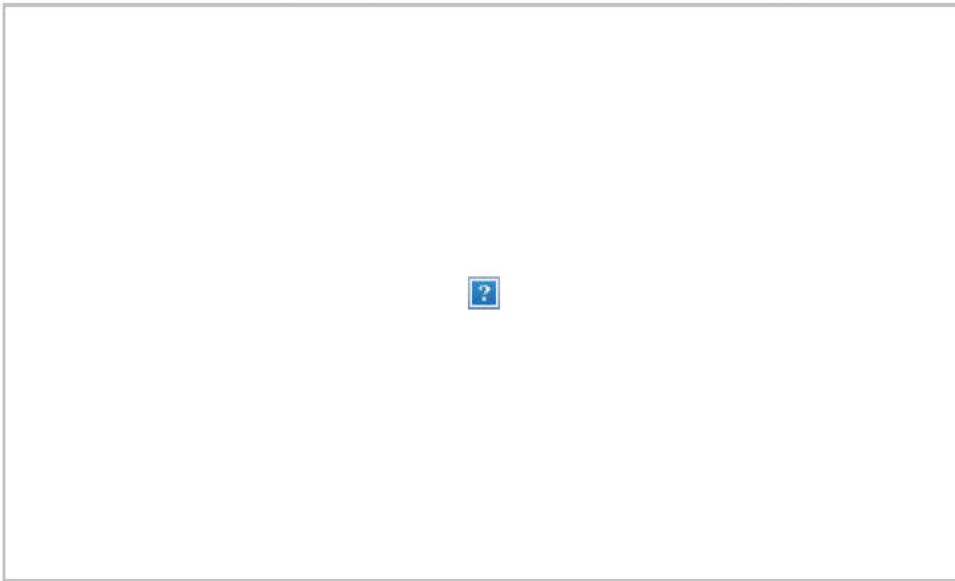
With respect to the Town’s position on water meters, The Town has considered metering residential accounts in the past however have concluded that doing so would ultimately increase the cost of water and sewer services to residents for the following reasons:

- Cost of purchasing and installing meters for all residential connections
- Cost of staff or contracted service to read meters every billing cycle or software licences for remote reading system
- Cost for staff to enter meter readings into financial system
- Cost for saving for capital replacement of meters

In addition, there would still be a need to have a large fixed component on bills because most of the costs to provide these services are fixed and do not vary with the amount of water used (i.e., treatment plant operations, maintenance and replacement of underground infrastructure, staff at the treatment plants, etc....). Variable costs are very limited (i.e., chemicals used during treatment). Most other municipalities have a fixed portion on their bills for this reason. Carleton Place has been able to keep costs low partially as a result of this policy. The chart below shows Carleton Place’s rates in 2020 compared to other municipalities.



Many municipalities went to metering in an effort to encourage reduced water usage however studies have now shown that rate of consumption is not significantly impacted by metering systems. The chart below shows evidence to support this by comparing local municipalities that have a variable portion to their bills a compared to Carleton Place that does not:



Please let me know if you have any further questions.

Regards,

Guy

From: [REDACTED]
Sent: December 6, 2022 5:46 PM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: RE: Study Website

Guy, thanks for such a timely response. Perhaps the website could be updated to include the contact/comment process.

I do not have adequate knowledge, training or experience to comment on the EA, however I am wondering if there has been any discussion concerning the billing for water and sewage usage?

My question or concern is that at the moment there are no apparent controls in place to deal with water usage. Folks in Carleton Place are

not tuned in to water conservation. In most towns water conservation is a huge issue, yet in Carleton Place residents use water as if there are no limits? I have lived in other municipalities and was surprised when I arrived in Carleton Place that my water was not metered in any functional way. When I moved here my wife and I were told that we would pay a monthly fee for water no matter how much we used. I had neighbours who watered the streets and watered so much that my back yard was a swamp. To this day this continues happening. During the summer months local families water with abandon and now that I am living alone, since the passing of my wife, I find it difficult to understand how I should be paying the same monthly charge as if I was a household of two. I have no idea how the charges are calculated, but I do find it annoying that as a single person my usage charge is the same as it was when my wife was alive.

All of this to say, is any consideration being given to water conservation in this future plan. Everything that I have read and listened to makes no mention of water conservation. Am I missing something??

Is there any discussion about metering the use of water in Carleton Place?

Thanks for listening. I look forward to your reply.

Sincerely,

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

From: Guy Bourgon <gbourgon@carletonplace.ca>
Sent: Tuesday, December 6, 2022 11:42 AM
To: [REDACTED] kevin.alemany@stantec.com
Cc: Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>
Subject: RE: Study Website

Good Morning [REDACTED],

Please send any comments you may have by e-mail to either Kevin or I at your convenience after you have reviewed the presentation.

Thanks,

Guy

From: [REDACTED]
Sent: December 6, 2022 11:38 AM
To: kevin.alemany@stantec.com; Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Study Website

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you verify the source.

Kevin and Guy, good morning. I see that there is an EA being undertaken for the water and waste water facilities. In the notice there is the following statement.

“The Online PIC will be available for your review and feedback on the [study website](#). A [recorded presentation](#) is available for viewing as part of the Online PIC beginning Monday, December 5, 2022, and comments are kindly requested by Monday, December 19, 2022.

We look forward to hearing from you!”

I have attempted to figure out how to make comment but cannot figure out how this is to be done. I have clicked on every available link but cannot find a link that allows me to make comment. I have not, at the moment, taken the time to review the video presentation, however I did expect that when I clicked on [study website](#) that there would be the ability to click on something to provide comments. Can you explain the process? It says you are looking forward to hearing from us. Please

make it simple. I am an old man.

Simple is good!

Cheers!

[REDACTED]

Sent from [Mail](#) for Windows

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From: [Raheem, Ferenaz](#)
To: [O'Neill Sanger, Claire](#)
Subject: Fwd: Public Information Centre 2 - Comments
Date: Wednesday, December 7, 2022 5:24:28 PM

From: Wilder, Pierre <Pierre.Wilder@stantec.com>

Sent: Wednesday, December 7, 2022 4:21 PM

To: [REDACTED]

Cc: Alemany, Kevin <kevin.alemany@stantec.com>; Guy Bourgon <gbourgon@carletonplace.ca>; Raheem, Ferenaz <Ferenaz.Raheem@stantec.com>

Subject: RE: Public Information Centre 2 - Comments

Good Afternoon [REDACTED]

I'm responding on Guy's behalf as I've been overseeing the technical aspects of the project, including costing. We've presented cost estimates to the public at a few different checkpoints:

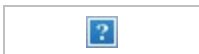
The Water and Wastewater Master Plan Report (Phase 2 of the Municipal Class Environmental Assessment process) qualitatively compared the costs of expansion vs new plant vs other high-level options. We presented a cost estimate for the preferred option (basically, expansion of each plant) at that stage with the 30-day public review of the Master Plan and also broke it down as overall cost per resident during a publicly-accessible meeting with Council in August 2022. These cost estimates have been further developed into lifecycle costing of different expansion options. The construction costs were revisited / refined for this and were consistent with the estimates from Phase 2. These details will be available in the Environmental Study Report (Phase 4) and will be made available to the public for 30 days early in the New Year. At that time, please review the Appendix entitled "Carleton Place Wastewater Treatment Plant Expansion Options Evaluation" which is a memo dated November 21, 2022. There is a sister memo for the Water Treatment Plant Expansion Options Evaluation.

Regards,

Pierre Wilder P. Eng
Environmental Engineer

Direct: ~~613 724 4352~~
Mobile: 613 790-7690
Pierre.Wilder@stantec.com

Stantec
300 - 1331 Clyde Avenue
Ottawa ON K2C 3G4



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From: [REDACTED]
Sent: December 6, 2022 10:32 AM
To: Guy Bourgon <gbourgon@carletonplace.ca>
Subject: Public Information Centre 2 - Comments

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Hello Guy,

After reviewing the presentation online, it seems logical to me outside of seeing the costing breakdown that both upgraded options make the most sense considering the future growth of Carleton Place.

Even if the cost of the upgrades are steep compared to the lesser alternatives, Carleton Place is almost certainly going to continue to grow at a torrid pace and we shouldn't shy away from making the best long term investments in our infrastructure due to short term financial considerations.

I think the public would be better served with some sort of breakdown of how much the various treatment options would cost, and what those costs would mean for residents in the short term and in the long term (sacrificing upgrades to other infrastructure?).

Happy to chat if the need arises.

Best,

[REDACTED]

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Council & Committee of the Whole

The next regularly scheduled meeting of Council and Committee of the Whole will be on **Tuesday, February 7th, 2023**. Please see the Town's website at www.carletonplace.ca for start time and associated documents.

At the February 7th meeting, Treasurer Trisa McConkey will be presenting the draft 2023 budget to the public for comment prior to final approval.

NOTICE OF STUDY COMPLETION Municipal Class Environmental Assessment Study Water Treatment Plant Expansion

The Study

The Town of Carleton Place (Town) has undertaken a Municipal Class Environmental Assessment (Class EA) study to assess the need to expand the Water Treatment Plant (WTP) located at 199 John Street (Figure 1) as recommended in the Water and Wastewater Master Plan (2022). These recommendations were made to accommodate growth based on future development and ensure the integrity of the Town's servicing infrastructure and capacity for existing and future development in the most sustainable way.

The Preferred Design

Based on the findings of this Class EA study, the Preferred Design involves expanding the WTP with new concrete tank filters, including new filter backwash and backwash water reserve tanks. The new concrete filter tanks would be sized to treat the full capacity of the plant. Existing steel tank filters will be decommissioned and abandoned in place after new concrete tank filters would be operational. It also seeks to maintain use of the existing processes, including the existing raw water intake, Actiflo clarifiers, and clearwells, while providing new infrastructure where necessary to increase treatment capacity to accommodate the future growth. It will also preserve the original 1914 Carleton Place Waterworks building which can continue to be used for chemical storage, maintenance activities and administrative purposes.



Figure 1: Water Treatment Plant Expansion Footprint

Environmental Study Report

This study was completed in accordance with the planning and design process for Schedule C projects, as outlined in the Municipal Engineers Association (MEA) Municipal Class EA guidelines (October 2000, amended 2007, 2011 and 2015), which is approved under the Ontario *Environmental Assessment Act*. The study process, including the identification and evaluation of alternatives, the Preferred Design, potential environmental impacts and proposed mitigation measures, as well as the consultation activities undertaken as part of this study, have been documented within an Environmental Study Report (ESR). A copy of the ESR is available for public review for 30 days between **January 26, 2023 and February 28, 2023** on the study website at <https://carletonplace.ca/wwtp-expansion-eas.php>.

Comments

Interested persons may provide written comments to our study team by **February 28, 2023**. All questions or comments can be sent directly to the Town of Carleton Place as follows:

Guy Bourgon, P.Eng.
Director of Public Works
Town of Carleton Place
Tel: 613-257-6209
Email: gbourgon@carletonplacae-ee

In addition, a request may be made to the Minister of the Environment, Conservation and Parks for a Section 16 order requiring a higher level of study (i.e., requiring an individual/comprehensive EA approval before being able to proceed), or that conditions be imposed (e.g., require further studies), only on the grounds that the requested order may prevent, mitigate, or remedy adverse impacts on constitutionally protected Aboriginal and Treaty Rights. Requests on other grounds will not be considered. Requests should include the requester's contact information and full name.

Requests should specify what kind of order is being requested (request for additional conditions or a request for an individual/comprehensive environmental assessment), how an order may prevent, mitigate, or remedy potential adverse impacts on Aboriginal and Treaty Rights, and any information in support of the statements in the request. This will ensure that the ministry is able to efficiently begin reviewing the request.

The request should be sent in writing and must be received by the Minister at the address below as well as to the Town of Carleton Place project contact above no later than February 28, 2023:

Minister
Ministry of Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, ON M7A 2J3
E: Minister.meccp@ontario.ca

Director
Environmental Assessment Branch
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. W, 1st Floor
Toronto, ON M4V 1P5
E: EABDirector@ontario.ca

This Notice was first issued January 26, 2023.

Personal information on this form is collected under the authority of the *Municipal Act*, 2001 and will be used for the purpose of administering the Wastewater Treatment Plant Expansion Environmental Assessment Study.

All comments will be collected in accordance with the *Freedom of Information and Protection of Privacy Act* (2009). Except for personal information, all comments will become part of the public record.

NOTICE OF STUDY COMPLETION Municipal Class Environmental Assessment Study Wastewater Treatment Plant Expansion

The Study

The Town of Carleton Place (Town) has undertaken a Municipal Class Environmental Assessment (Class EA) study to assess the need to expand the Wastewater Treatment Plant (WWTP) located at 122 Patterson Crescent (Figure 1) as recommended in the Water and Wastewater Master Plan (2022). These recommendations were made to accommodate growth based on future development and ensure the integrity of the Town's servicing infrastructure and capacity for existing and future development in the most sustainable way.

The Preferred Design

Based on the findings of this Class EA study, the Preferred Design involves a Membrane Bioreactor (MBR) treatment upgrade which is an advanced activated sludge wastewater treatment process. The membrane essentially provides the functions of a secondary clarification and tertiary filtration. The design includes converting the existing secondary clarifier tanks to aeration tanks to increase the plant's secondary treatment capacity. A portion of the land east of the existing site will be required to provide adequate space for new infrastructure. However, the expanded facilities can be accommodated in the previously disturbed area of the Town's current hazardous waste depot.

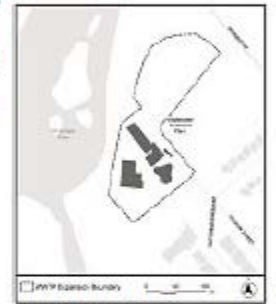


Figure 1: Wastewater Treatment Plant Expansion Footprint