

V4.8 – Consultation Records

v4.8.1

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Indigenous Communities

**Mississaugas of the Credit
First Nation**

April 10, 2019

Mississaugas of the Credit First Nation
4065 Highway 6
Hagersville, Ontario N0A 1H0

**RE: Notice of Study Commencement
South Niagara Wastewater Solutions Schedule 'C' Class Environmental
Assessment**

Dear Fawn Sault:

Please find attached the Notice of Study Commencement for the South Niagara Wastewater Solutions Schedule 'C' Class Environmental Assessment (EA). This Class EA will select a location for a new South Niagara wastewater treatment plant and plan improvements to upgrade the sewer system to support growth and protect the environment.

Siting the location for a new wastewater treatment plant in South Niagara Falls will mean balancing different priorities and making tough decisions for our community. There are many factors to consider and the purpose of the EA is to evaluate all of these factors in order to make an informed decision.

The Region will ensure that key stakeholders and the public have a voice at each step along the way to help the study select a site for the new plant and a plan for upgrades to the sewer system that works for the community.

We look forward to your involvement through this Class EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng.

Project Manager
Niagara Region
1815 Sir Isaac Brock Way, P.O. Box 1042
Thorold, Ontario L2V 4T7
Phone: 905.980.6000 ext. 3640
Email: newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Project Manager
GM BluePlan Engineering
3300 Highway No. 7, Suite 402
Vaughan, Ontario L4K 4M3
Phone: 416.577.2500
Email: chris.hamel@gmblueplan.ca

Enclosed: Notice of Study Commencement

May 9, 2019

Mississaugas of the Credit First Nation
4065 Highway 6
Hagersville, Ontario N0A 1H0

Dear Fawn Sault:

**RE: Notice of Public Information Centre No.1 for South Niagara Falls
Wastewater Solutions Schedule 'C' Class Environmental Assessment**

Please find attached the Notice of Public Information Centre No.1, which was first published in local newspaper *Niagara This Week* on May 9, 2019.

Public Information Centre No.1 will be held:

Date / Time:	Tuesday May 28, 2019 – 5:00 to 8:00 p.m.
Location:	Boys & Girls Club of Niagara 8800 McLeod Road, Niagara Falls, ON, L2H 0Y8

Niagara Region is undertaking this Municipal Class Environmental Assessment (EA) in the South Niagara area which includes the addition of a new wastewater treatment plant and the pipework to connect to the existing system.

If you would like more information or would like to be removed from the study's contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416.577.2500
chris.hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No.1

Danielle MacKinnon - GM BluePlan

Subject: RE: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

From: New Treatment Plant

Sent: Monday, November 11, 2019 11:00 AM

To: Mark.Laforme@mncfn.ca

Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

Hello Mr. Laforme

Please find attached the Notice of Public Information Centre No. 2 and Notification letter for South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Project baseline reports have been uploaded for your information at the following link:

[https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS -
_Baseline Reports \(Indigenous Review\).zip](https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS_-_Baseline_Reports_(Indigenous_Review).zip)

Please respond to confirm when data has been successfully downloaded. This link is set to expire on November 28, 2019. If this date has exceeded, and you can no longer access the data, please let me know and I will provide an updated link.

The Regional Municipality of Niagara Confidentiality Notice The information contained in this communication including any attachments may be confidential, is intended only for the use of the recipient(s) named above, and may be legally privileged. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, disclosure, or copying of this communication, or any of its contents, is strictly prohibited. If you have received this communication in error, please re-send this communication to the sender and permanently delete the original and any copy of it from your computer system. Thank you.

November 7, 2019

Mr. Mark LaForme
Director Consultation and Accommodation
Mississaugas of the New Credit First Nation
2789 Mississauga Road, R.R. #6
Hagersville, ON N0A 1H0

Dear Mr. LaForme:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
City of Niagara Falls
Our File: O.01.04 99 2000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. This PIC will present the long list of potential wastewater treatment plant sites and offer the opportunity to comment and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date / Time: Wednesday, November 20, 2019 – 5 to 7 p.m.
Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3 – 4 p.m.

In addition to the Notice, the Niagara Region Project Team is sharing key study area baseline reports with indigenous stakeholders to enable an early review and feedback opportunity.

Please find attached the following documents:

- Notice of Public Information Centre No. 2
- Cultural Heritage Screening Report (DRAFT)
- Stage I Archaeological Assessment (DRAFT)
- Desktop Assessment of Natural Environmental Constraints (DRAFT)

Should you have any questions or wish to provide comment on the attached documents, please contact one of the Project Managers listed below.

We look forward to your continued involvement through this EA process.

Sincerely,



Ms. Lisa Vespi, P.Eng., PMP®
Senior Project Manager
Water and Wastewater Engineering
Water and Wastewater Services
905-980-6000, ext. 3640
new.treatment.plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416-577-2500
chris.hamel@gmblueplan.ca

LV/at

(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls WWTP\Project Management\Correspondence\Letters\2019\2019_11_06_Indigenous-Group.SNFWWTP-EA.Ltr.docx)

Attach.

cc: Chris Hamel, GM BluePlan Project Manager

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
 Project Manager, Niagara Region
 905.980.6000 ext. 3640
 New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
 Project Manager, GM BluePlan Engineering
 416.703.0667
 Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3

Danielle MacKinnon - GM BluePlan

From: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>
Sent: Tuesday, July 07, 2020 10:07 AM
To: fawn.sault@mncfn.ca
Cc: New Treatment Plant; Vespi, Lisa
Subject: South Niagara Falls Wastewater Solutions-Phase 3 Notice

Good Morning,

I am writing to inform you that Niagara Region has completed the Phase 2 Environmental Assessment for the South Niagara Falls Wastewater Treatment Plant project and has selected a preliminary preferred site at 6811 Reixinger Road and 7047 Reixinger Road in Niagara Falls. The potential site boundaries are outlined in the photo below for reference. Niagara Region is now moving into Phase 3 which includes the Archaeology (Stage 1 and 2 for the time being) and Cultural Heritage Impact Assessments.

As we move forward to this next step, our consultants will be in contact to ensure you are informed and have a point of contact should you have any questions, concerns or wish to be engaged.

For any additional information the Public Information Centre display boards and updates can be found on the project website: <https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>. Please do not hesitate to reach out.

Kind Regards,

Stephanie McGill



August 28, 2020

Dear Sir/Madam,

I am writing on behalf of the Department of Consultation and Accommodation [DOCA], requesting information on a project within the Mississaugas of the Credit First Nation's [MCFN] treaty territory.

MCFN are an Aboriginal people within the meaning of section 35 of the *Constitution Act, 1982*. We have signed numerous treaties with the Crown, reaffirming our rights as the original owners of the lands in our territory and establishing Treaty rights over the same. Furthermore, we have un-surrendered Aboriginal title to the waters, beds of water, and foreshore within our territory. Our constitutionally protected rights give rise to specific legal obligations and duties which supersede policies and guidelines.

We are an Indigenous community as understood by the United Nations and our rights include those referenced in the United Nations Declaration on the Rights of Indigenous Peoples ("UNDRIP"). Article 11 of UNDRIP states that Indigenous peoples have "the right to maintain, protect and develop the past, present and future manifestations of their cultures, such as archaeological and historical sites, artefacts..." In May, 2016, the Federal Government committed to adopting and implementing UNDRIP; therefore, the rights of Indigenous peoples outlined in it deserve renewed consideration and respect.

These lands have been the territory and home of MCFN and our ancestors for many generations. As such, there is significant potential for archaeological and other cultural resources of our people to be located during the archaeological fieldwork required for projects or development. Such resources are of critical importance to MCFN given the increasing urbanization and development of our territory that effectively whitewashes our past. Without our active participation and monitoring during archaeological fieldwork, our history stands to be lost forever. As the original stewards of these lands – and continuing owners of the waters – we have ongoing obligations to ensure the protection of our cultural and natural resources for future generations. This is our responsibility and our right.



DOCA has been notified that in a project information file was submitted to the Ministry of Heritage, Sport, Tourism, and Culture Industries for the following project:

PIF ID	111015
Project Name	St 1 AA South Niagara Falls Wastewater Treatment Plant
Proponent Identified	Niagara Region
Municipal Address	n/a
Stage of Assessment	Stage 1
Licensee Name and Number	Barbara Slim (P348)

Please provide a summary of the history of this project and the current state of its associated environmental and archaeological fieldwork. If it is complete, please provide a summary of the preliminary results, followed by the draft report when available. If it is not yet complete, please provide the anticipated start date of fieldwork.

Please be aware that the development may have impacts on MCFN's treaty and aboriginal rights and MCFN has not been properly consulted on this project. Until a reasonable understanding has been reached between MCFN and the proponent regarding the project and our participation in it to ensure that the fieldwork is conducted in a respectful manner that protects our rights, we are of the opinion that any duty to consult over the project has not been met and all subsequent approvals relating to the project are subject to challenge on this basis.

Finally, we would like to take this opportunity to remind you that MCFN has its own *Standards and Guidelines for Archaeology*, which we expect that will be followed in our Territory. Additionally, DOCA requires that our Field Liaison Representatives participate in all environmental and archaeological fieldwork within the MCFN treaty territory, including Stages 2 through 4. **It is our expectation that no fieldwork will take place without the participation of our FLRs.** MCFN has an Aboriginal and Treaty Right to protect the environmental and our archaeological heritage and our FLRs are our boots on the ground to ensure our interests are protected. MCFN considers it disrespectful to our rights as Indigenous peoples if our natural and cultural heritage is interfered with without our involvement.

It is my hope that in light of the above considerations and with a renewed focus on reconciliation, we can navigate through these issues towards a relationship of respect, partnership, and mutual benefit. **Please provide the requested information by 4pm on September 18, 2020.**



Thank you.



Megan DeVries,
Archaeological Operations Supervisor

CC Mark LaForme, MCFN-DOCA (mark.laforme@mncfn.ca)
Ministry of Heritage, Sport, Tourism, and Culture Industries
(archaeology@ontario.ca)



DEPARTMENT OF CONSULTATION AND ACCOMMODATION

Mississaugas of the Credit First Nation
4065 Hwy #6, Hagersville, Ontario NOA 1H0



Phone: (905) 768-4260



Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Friday, September 18, 2020 3:58 PM
To: Megan DeVries
Cc: Mark LaForme; Fawn Sault; O'Neal, Kristy; Schopf, Heidi; McGill, Stephanie; New Treatment Plant; Menage, Bart; Danielle MacKinnon - GM BluePlan
Subject: RE: PIF Notification - South Niagara Falls Wastewater
Attachments: 2020-09-18 South Niagara Falls MCFN Letter.pdf

Hi Megan,

Thank you for your letter regarding the South Niagara Falls Wastewater Treatment Plant environmental and archaeological investigations. Please find attached our response.

Wood Environment and Infrastructure will be contacting you shortly with respect to the upcoming field work.

Have a great weekend.

Thank you,
Lisa

From: Megan DeVries <Megan.DeVries@mncfn.ca>
Sent: Thursday, September 17, 2020 4:20 PM
To: Menage, Bart <Bart.Menage@niagararegion.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Fawn Sault <Fawn.Sault@mncfn.ca>
Subject: RE: PIF Notification - South Niagara Falls Wastewater

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Hi Bart,

Thank you for that information. To date, I have not yet received an email or phone call from Lisa Vespi regarding the project.

Sincerely,
Megan.

Megan DeVries, M.A.
Archaeological Operations Supervisor



Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

P: 905-768-4260 | M: 289-527-2763

<http://www.mncfn.ca>

VACATION ALERT: I will be out of the office on vacation September 21 to 25, 2020.

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From: Menage, Bart <Bart.Menage@niagararegion.ca>
Sent: Thursday, September 3, 2020 3:22 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: RE: PIF Notification - South Niagara Falls Wastewater

Hi Megan

As a follow up, I have confirmed that Lisa Vespi (copied in this email) will be connecting with you.

Regards,

Bart Menage, CSCMP, CRM, C.P.M.

Director, Procurement & Strategic Acquisitions, Corporate Services

Niagara Region

1815 Sir Isaac Brock Way, P.O. Box 1042

Thorold, ON L2V 4T7

Phone: 905-980-6000 ext. 3700 or 1-800-263-7215

Mobile: 289-929-8123

www.niagararegion.ca

From: Megan DeVries <Megan.DeVries@mncfn.ca>
Sent: Tuesday, September 1, 2020 9:03 AM
To: Menage, Bart <Bart.Menage@niagararegion.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: PIF Notification - South Niagara Falls Wastewater

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Thank you, Bart.

Is there someone else you would ask me to contact at Niagara Region when MCFN is notified regarding projects but does not know which department or project manager holds the file?

Thank you,
Megan.

From: Menage, Bart <Bart.Menage@niagararegion.ca>
Sent: Tuesday, September 1, 2020 9:00 AM
To: Megan DeVries <Megan.DeVries@mncfn.ca>; Slim, Barbara <barbara.slim@woodplc.com>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Fawn Sault <Fawn.Sault@mncfn.ca>; Archaeology (MHSTCI) <archaeology@ontario.ca>
Subject: RE: PIF Notification - South Niagara Falls Wastewater

Good Morning Megan

Acknowledging receipt of this email and advising that I have made contact with the Regional Department who is overseeing this project. An update will be provided shortly

Regards,

Bart Menage, CSCMP, CRM, C.P.M.
Director, Procurement & Strategic Acquisitions, Corporate Services

Niagara Region
1815 Sir Isaac Brock Way, P.O. Box 1042
Thorold, ON L2V 4T7
Phone: 905-980-6000 ext. 3700 or 1-800-263-7215
Mobile: 289-929-8123
www.niagararegion.ca

From: Megan DeVries <Megan.DeVries@mncfn.ca>
Sent: Monday, August 31, 2020 3:26 PM
To: Slim, Barbara <barbara.slim@woodplc.com>; Menage, Bart <Bart.Menage@niagararegion.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Fawn Sault <Fawn.Sault@mncfn.ca>; Archaeology (MHSTCI) <archaeology@ontario.ca>
Subject: PIF Notification - South Niagara Falls Wastewater

CAUTION: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Please see the attached letter from the Mississaugas of the Credit First Nation regarding your upcoming archaeological assessment.

Regards,
Megan.

Megan DeVries, M.A.
Archaeological Operations Supervisor



Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

P: 905-768-4260 | M: 289-527-2763

<http://www.mncfn.ca>

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VIA EMAIL

September 18, 2020

Megan DeVries,
Mississaugas of the Credit First Nation
4065 Hwy #6,
Hagersville, ON N0A 1H0

Dear Madam:

**Mississaugas of the Credit First Nation Project Information Request for
South Niagara Falls Wastewater Solutions,
City of Niagara Falls**

In response to your letter dated August 28, 2020, we wanted to provide a formal update on the South Niagara Falls Wastewater Solutions Class Environmental Assessment (EA). This study is currently in Phase 3 of the Class EA process, which includes site level investigations on the preferred wastewater treatment plant site. The preferred site is located at 6811 and 7047 Reixinger Road within the City of Niagara Falls (please refer to the site map below).

As part of the Phase 3 Class EA process, Niagara Region will be conducting a Stage 1 and 2 Archaeological Assessment and a Cultural Heritage Impact Assessment (CHIA). We are still in the early stages of the Stage 1 and 2 AA and CHIA, and no archaeological fieldwork has been conducted to date. As the study progresses, our consultant, Wood, will be in touch to coordinate and schedule your participation in the field investigations.

For additional information, previous Public Information Centre display boards and updates can be found on the project website:

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>.

Public Works

Water & Wastewater Services

3501 Schmon Pkwy., PO Box 1042, Thorold, ON L2V 4T7

Telephone: 905-980-6000 Toll-free: 1-800-263-7215 Fax: 905-685-5205

www.niagararegion.ca



South Niagara Falls WWTP Preferred Site Location

Please do not hesitate to reach out if you have further questions at this time. We look forward to your involvement through this EA process.

Kind Regards,

A handwritten signature in black ink, appearing to read "Vespi".

Lisa Vespi, P. Eng., PMP®

Senior Project Manager, Water and Wastewater Engineering

Water and Wastewater Services

lisa.vespi@niagararegion.ca



September 3, 2020

Project No. OCUL2001

Attention: **Ms. Megan DeVries, M.A., Archaeological Operations Supervisor,
Department of Consultation and Accommodation (DOCA), Mississauga of
the Credit First Nation (MCFN)**

RE: **Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater
Treatment Plant, City of Niagara Falls, Regional Municipality of Niagara,
Ontario**

Dear Ms. DeVries,

Niagara Region has retained Wood Environment & Infrastructure Solutions ("Wood") to complete a Stage 1 & 2 archaeological assessment for a Schedule "C" Municipal Class Environmental Assessment ("EA") for the proposed South Niagara Falls Wastewater Treatment Plant ("WWTP") site and associated sewer alignments. In keeping with Niagara Region's ongoing Indigenous engagement process, this letter shares information regarding the South Niagara Falls WWTP, which is located at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario.

The fieldwork is scheduled to begin on September 30, 2020 for this project; however, the exact date of fieldwork will not be known until any underground utility locates and any necessary ploughing have been completed and all ploughed areas have been allowed to weather sufficiently. Consequently, if you would wish to join us during the Stage 2 fieldwork, we will follow up this letter with an email providing the start date, meeting location, etc. Please be advised that any field personnel will have to be outfitted in proper PPE, including visi-vest, steel toed boots, safety gloves and safety glasses.

STAGE 1 & 2 ARCHAEOLOGICAL ASSESSMENT SCOPE OF WORK

The Stage 1 & 2 archaeological assessment will be conducted in accordance with the Ministry of Heritage, Sport, Tourism and Culture Industries' ("MHSTCI") *Standards and Guidelines for Consultant Archaeologists, 2011*, and with the *Ontario Heritage Act, R.S.O. 1990, c.O.18*.

The scope of work for the Stage 1 components will consist of the following tasks:

- In keeping with Niagara Region's ongoing engagement with relevant First Nations, prepare a property-specific information sharing letter to explain the scope of work;
- Contact the MHSTCI to determine a comprehensive listing of all recorded archaeological sites within one kilometre of the study area;
- Contact the MHSTCI to determine a comprehensive listing of all previous archaeological assessments that have been conducted within a 50-metre radius of the study area and review each previous assessment;

- Conduct a desktop review of the study area's physical setting to determine its potential for both historic and pre-contact human occupation, including its hydrology, topology, soils, vegetation, and proximity to historically important resources and early transportation routes and settlements;
- Conduct a specific review of the potential for historic occupation as documented in early mapping and other archival sources;
- Carry out a review of recent land-use practices that may have impacted or removed archaeological potential;
- Review any available geotechnical or environmental boreholes to understand the stratigraphy of the study area; and,
- Formulate appropriate field testing strategies for areas of ostensibly intact archaeological potential.

The scope of work for the Stage 2 components will consist of the following tasks:

- Facilitate public and/or private underground utility locates prior to the completion of any invasive testing and take due care during the performance of fieldwork;
- Assess freshly ploughed and weathered agricultural fields by means of pedestrian survey (see description below) at five-metre intervals;
- Assess areas where ploughing is not viable by means of hand-shovel test-pit survey (see description below) at five-metre intervals;
- Complete all necessary mapping, field photography and other relevant graphics;
- Process and analyze recovered artifacts; and,
- Prepare separate Stage 1 & Stage 2 reports of findings with recommendations regarding whether any further archaeological assessment is required. Archaeological sites discovered during the Stage 2 assessment may be recommended for Stage 3 site-specific assessment.

Description of a Pedestrian Survey

Pedestrian surveys are conducted on cultivated fields with surface visibility of at least 80%. Archaeologists walk these fields at five-metre transects, flagging any surface artifacts. If archaeological resources of cultural heritage value or interest are found, their exact locations are plotted by GPS. Culturally or temporally diagnostic artifacts are recovered, processed, analyzed and catalogued.

Prior to pedestrian survey, fields must have been ploughed (and disked if heavy clay) and allowed to weather through one heavy, or several light rainfalls. Mouldboard ploughing and disk harrowing are the only acceptable cultivation techniques. "No till", "chisel plough", or "soil saver" cultivation techniques cannot be used to prepare lands for survey. Pedestrian surveys cannot be conducted if ground surface visibility is reduced to below 80% by such conditions such as snow, crop, weed or debris cover.

Definition of a Test Pit Survey

Test pit surveys involve the hand digging of test pits (approximately 30 centimetres in diameter), through the A Horizon (topsoil) and five centimetres into the B Horizon (subsoil) at five-metre intervals. Excavated soils are screened for artifacts through six-millimetre aperture mesh and the

walls of each test pit are examined for cultural soil horizons. All artifact-bearing (“positive”) test pits are flagged and plotted by GPS.

The pattern and intensity of test-pit placement may be altered due to changes in archaeological potential in different parts of a study area and/or the presence of disturbed soils. Any areas of ‘disturbance’ are evaluated and photo-documented. If archaeological resources of cultural heritage value or interest are encountered, they are recovered for processing, analysis and cataloguing by test-pit number. In the case of an isolated “positive” test pit, *MTCS Standards* require the excavation of eight additional test pits at a two-metre radius around the isolated “positive” test pit as well as the excavation of a one-metre test unit directly over the isolated “positive” test pit. All test pits and test units are backfilled, and any sod caps are replaced and tamped down by foot.

BRIEF BIOGRAPHIES OF KEY PERSONNEL

Heidy Schopf, MES, CAHP, Cultural Heritage Team Lead and Senior Cultural Heritage Specialist – Role: Project Manager

Ms. Schopf is a Senior Cultural Heritage Specialist at Wood and has worked in the field of Cultural Resource Management since 2007. She is a **Professional Member of the Canadian Association of Heritage Professionals (CAHP)** and is currently a Candidate Member of the Ontario Professional Planners Institute (OPPI). She has worked on a wide variety of projects throughout Ontario, including cultural heritage resources assessments, heritage impact assessments, heritage documentation reports (photographic and 3D/LiDAR), cultural heritage evaluations, strategic conservation plans, HCD studies and plans, heritage feasibility studies, and Archaeological Assessments. Ms. Schopf has extensive experience applying local, Provincial, and Federal heritage guidelines and regulations to evaluate protected and potential cultural heritage properties. She is skilled at carrying out impact assessments and developing mitigation measures to conserve the heritage attributes of properties where changes are proposed. Ms. Schopf has completed hundreds of cultural heritage projects under a variety of processes, including: Environmental Assessment Act, Planning Act, Ontario Heritage Act, Transit Project Assessment Process, Renewable Energy Approval, and Ontario Energy Board.

Peter Popkin, Ph.D., CAHP, MCIfA, Associate Archaeologist – Role: Senior Project Reviewer

Dr. Popkin is an Associate Archaeologist at Wood. Peter has over 20 years of professional experience in both consulting and academic archaeology within Canada and internationally. In Ontario he has successfully undertaken consultant archaeology projects triggered by: the Planning Act (subdivisions, site plans, re-zoning, official plan amendments, consent), the Environmental Assessment Act (individual and Class EAs, provincial and federal EAs), the Environmental Protection Act (Renewable Energy Approvals O.Reg 359/09), as well as the Aggregates Resources Act (aggregate pit extensions), and has managed projects under the National Energy Board Act (now the Canadian Energy Regulator Act). Dr. Popkin has lectured in archaeology at York University, the University of Toronto, and Wilfrid Laurier University in Ontario, as well as University College London, King’s College London, and Birkbeck College, in the UK. Dr. Popkin holds a **Professional Archaeological Licence (P362)** from the MHSTCI, is a Professional Member of the Canadian Association of Heritage Professionals (CAHP) and is a full Member of the Chartered

Institute for Archaeologists (MCIa). Dr. Popkin received his Ph.D. from the Institute of Archaeology, University College London, London, UK (2009).

Barbara Slim, M.A., Senior Archaeologist, Archaeology Discipline Lead – Role: Project Licensee

Ms. Slim is a professionally licensed archaeologist with over 15 years of experience in the archaeology and environmental consulting industry. Ms. Slim serves as Ontario's Archaeology Discipline Lead. She has conducted all aspects of Stage 1 to 4 Archaeological Assessments, with a strong emphasis on transportation / corridor, infrastructure / road improvement and Environmental Assessment (EA) related work. As a founding member of the Wood Ontario archaeology team, Ms. Slim has performed every aspect of project execution, from client relations, project design to MHSTCI clearance. Through her project experience, Ms. Slim has gained an in-depth understanding of the Heritage Act and legislations & standards associated with cultural heritage management. Ms. Slim holds a Master's Degree in Anthropology from Trent University and an Honours Bachelor's Degree in Environmental Studies and Anthropology from Trent University. Ms. Slim currently holds a **Professional Archaeology Licence (P348)** issued by the MHSTCI, is **MTO RAQs certified in Archaeology/Heritage** and is a member of the Ontario Association of Professional Archaeologists.

Kristy O'Neal, M.A., Senior Archaeologist – Role: Report Writer/Researcher

Ms. O'Neal is a Senior Archaeologist at Wood with over 23 years of archaeology consulting experience in Ontario. Ms. O'Neal has supervised a wide variety of Stage 1 through 4 archaeological assessments throughout Ontario, with a focus on both pre-contact and Euro-Canadian settlements. Pre-Contact projects have involved First Nations consultation. Ms. O'Neal has a strong background in cultural material analysis and has extensive experience with large complex stratified Indigenous sites situated within often compromised urban context. She holds a Master's Degree in Bioarchaeology and a Bachelor of Arts Degree in Anthropology from the University of Western Ontario, where she received a Gold Medal Award. Ms. O'Neal's areas of interest and expertise include the archaeological prehistory and history of southwestern Ontario, with focus on the Middle Woodland period and changes to Indigenous weapons technology. Ms. O'Neal holds a **Professional Archaeology Licence (P066)** issued by the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries, and is a member of the Ontario Archaeological Society.

Cara Howell B.A., Senior Archaeologist – Role: Field Director

Ms. Howell holds a B.A. degree in Anthropology and Classical Archaeology from McMaster University and has been working in the field of archaeological consulting since 1999. She holds an **Applied Research Licence (R180)** in archaeology from the MHSTCI and possesses a full range of archaeological skills. As a result of her specialized interest in the historic Euro-Canadian period, she has become an authority on early Euro-Canadian artifacts and historic period background research. As the archaeology Laboratory Director for Wood's Cultural Heritage Resources Group, she developed and implements a computerized cataloguing system for artifacts and other resources. Ms. Howell also serves as lead liaison with Indigenous communities.

We have provided this information sharing letter to demonstrate that we take your interests in the project area very seriously. If you have any questions or concerns, please do not hesitate to contact me at kristy.oneal@woodplc.com.

Regards,

**Wood Environment & Infrastructure Solutions,
A Division of Wood Canada Limited**



Kristy O'Neal, M.A.
Senior Archaeologist
kristy.oneal@woodplc.com



Barbara Slim, M.A.
Associate Archaeologist
barbara.slim@woodplc.com

Danielle MacKinnon - GM BluePlan

Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

From: O'Neal, Kristy
Sent: Tuesday, November 17, 2020 1:28 PM
To: Joelle Williams <Joelle.Williams@mncfn.ca>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon, Joelle

We have just been in contact with Niagara Region regarding tomorrow's scheduled fieldwork, and field conditions do not currently meet MHSTCI requirements. Therefore, we wanted to let you know that tomorrow's fieldwork has been cancelled. We are going to allow the field to weather further this week and will email you again next week to reschedule fieldwork. Apologies for any inconvenience this has caused.

Thank you,
Kristy

From: O'Neal, Kristy
Sent: Tuesday, November 17, 2020 9:14 AM
To: 'Joelle Williams' <Joelle.Williams@mncfn.ca>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Thank you, Joelle.

Further to my email from Friday, here are the additional details regarding the meeting time & location:

We will be arriving on site at 9:00am.

Can you please inform the FLR that they should park at the intersection of Reixinger Road and Dell Road, Niagara Falls. It is near the Dell Cemetery, as shown on the attached map.

The contact/field director is Cara Howell (905) 730-5735.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: Joelle Williams <Joelle.Williams@mncfn.ca>
Sent: Monday, November 16, 2020 10:29 AM
To: O'Neal, Kristy <kristy.oneal@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>
Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Hi Kristy,

I have received the site information and have added this work to our schedule. I will be in touch tomorrow afternoon and let you know if we have an FLR available.

In the event of a cancellation or other schedule change, please contact me (Joelle Williams) via cell phone (905-870-2918) or email (joelle.williams@mncfn.ca) and CC Megan (megan.devries@mncfn.ca).

Thank you,

Joelle Williams
Field Coordinator



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)
4065 Highway 6 North, Hagersville, ON N0A 1H0
P: 905-768-4260 | M: 905-870-2918

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From: Megan DeVries
Sent: Monday, November 16, 2020 9:04 AM
To: Joelle Williams <Joelle.Williams@mncfn.ca>
Subject: FW: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

FYI

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Friday, November 13, 2020 5:37 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Fawn Sault <Fawn.Sault@mncfn.ca>; Schopf, Heidy

<heidyschopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>; Anema, Jade <Jade.Anema@niagararegion.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>

Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon Megan,

Following up on the South Niagara Wastewater Treatment project in Niagara Falls, we would like to let you know that the field for the pedestrian survey has now been ploughed and weathered and we would like to schedule fieldwork for next Wednesday. Can you confirm if you will have an FLR available?

Further information on the project is provided below:

Start Date: Wednesday November 18, 2020 (Thursday November 19 is planned alternate date in case of inclement weather)

Start Time: TBD (Cara/Kristy will confirm meeting time early next week)

Consultant Company: Wood

Field Director and Cell #: Cara Howell, Senior Archaeologist (905) 730-5735

Stage: Stage 1 & 2AA (Pedestrian Survey)

Required PPE: Visi-vest, hard-hat, safety glasses, safety boots, safety gloves, face mask (to be used when social distancing is not possible)

Meeting Location: 7047 Reixinger Road, Niagara Falls. (Cara/Kristy will confirm meeting location & parking arrangements early next week.)

Size of Field Crew: 3

Attachments: 2

- EI Fitness for Duty for any FLRs or visitors prior to commencement of project
- Wood's Daily Declaration Form (to be signed daily via use of cellphone- word document attached for reference)

Wood is aware that the COVID-19 pandemic presents a challenge to everyone as we attempt to continue to perform work while practicing physical distancing. Please ensure that any monitor attending the site is aware of the following practices that we are following on our work sites:

- All employees and visitors to site must review the Fitness for Duty Medical Pre-Screening Form and provide their signature / confirmation on the Declaration Form Covid-19 (both attached);
- Wood will limit the size of their field crew;
- Face masks to be worn if working within 2 m;
- Distancing of workers and workers working separately with their own equipment.

Please let us know of any questions you may have.

We look forward to working with you on this project and will be in touch early next week to confirm details.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Wednesday, September 30, 2020 3:16 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>; Mark LaForme <Mark.LaForme@mncfn.ca>; Schopf, Heidy <heidy.schopf@woodplc.com>
Subject: FW: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Hello Megan,

Following up on the Stage 1&2 assessment for the South Niagara Wastewater Treatment plant email I sent you on September 18th. I've cc'ed Lisa Vespi and Jade Anema from Niagara Region in this email. Can you please provide Lisa and Jade directly with any necessary paperwork they will require for any contractual agreements. I will be in contact once we have a fieldwork date determined so we can arrange for a liaison. We are anticipating that the project take one field day to complete.

Thanks,
Kristy

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com



From: O'Neal, Kristy
Sent: Friday, September 18, 2020 4:26 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Schopf, Heidy <heidy.schopf@woodplc.com>
Subject: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon Megan,

Please see the attached information sharing letter with details regarding Wood's upcoming Stage 1 and 2 archaeological assessment for the South Niagara Wastewater Treatment Plant in Niagara Falls. We will follow up with an additional email once fieldwork dates have been confirmed.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037



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Howell, Cara

From: Howell, Cara
Sent: Tuesday, November 24, 2020 1:29 PM
To: Joelle Williams
Cc: Megan DeVries; Mark LaForme; Vespi, Lisa; O'Neal, Kristy; Anema, Jade
Subject: Nov. 24th Update

Hi Joelle,

Just writing to give you an update on the Stage 1&2 fieldwork for the Niagara WWTP. Kelly Sault meet with us onsite today at 9am. There were some concerns with the visibility and soil conditions onsite. Three key issue were brought to my attention. One was the size of the soil lumps, the second the grass (visibility) and the third being our boots tracking mud. It was decided to leave the field and contact the Region project manager. After a discussion with the PM, the field work has now been delayed to allow the field additional time weather. The Niagara region is expecting rain tomorrow, Thursday and next Monday the 30th. After the soil has had some time to dry out we will be back onsite to complete the pedestrian survey. Wood will contact you as soon as we have a date for the assessment.

If you have any questions or concerns please feel free to contact me.

Thanks,
Cara

Cara Howell B.A.
Member, Association of Professional Archaeologists (Ontario)
Senior Archaeologist, Environment & Infrastructure Solutions
3450 Harvester Road, Suite 100 Burlington, Ontario L7N 3W5
Direct: (905) 335 2353 x3017
Mobile: (905) 730 5735
www.woodplc.com

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From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Fieldwork tomorrow _ December 8, 2020
Date: Thursday, January 27, 2022 1:28:41 PM
Attachments: [image001.png](#)

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Monday, December 7, 2020 4:15 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Fieldwork tomorrow _ December 8, 2020

Hi Lisa & Jade,

Just confirming the Wood crew, led by Cara, will be on site at 9:00am tomorrow morning complete the Stage 2 fieldwalk. All 3 First Nation groups have confirmed their participation for tomorrow as well.

Fingers crossed all goes well out there tomorrow!

Kristy

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: [Howell, Cara](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Monday, October 4, 2021 6:02:17 PM
Attachments: [image001.png](#)
[image002.png](#)

From: Howell, Cara
Sent: Thursday, September 2, 2021 3:47 PM
To: 'Joelle Wiliams' <Joelle.Williams@mncfn.ca>
Cc: Lane, Krista <krista.lane@woodplc.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Joelle,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,
Cara

[Cara Howell B.A.](#)
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

wood.

From: Howell, Cara
Sent: Tuesday, August 31, 2021 9:39 AM
To: Joelle Wiliams <Joelle.Williams@mncfn.ca>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Joelle,

Lisa has asked me to give you the house address at 6811 Reixinger Rd. It will be easier to navigate this address with GPS. This will take to right to the field location.

Thanks,
Cara

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:26 AM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>

Subject: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Joelle,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls. Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.



Please let me know if you have any questions or concerns.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

wood.

From: Seguin, Jason <jason.seguin@woodplc.com>
Sent: July 22, 2021 3:47 PM
To: Howell, Cara <cara.howell@woodplc.com>; Joelle Williams <Joelle.Williams@mncfn.ca>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>
Subject: Re: (2019-0814) SW Niagara WWTP - MCFN - July 23

Hi Joelle
Thank you. I'll make sure a report is submitted.
Kind regards
Jason

Sent from my Bell Samsung device over Canada's largest network.

From: Joelle Williams <Joelle.Williams@mncfn.ca>
Sent: Thursday, July 22, 2021 3:32:28 PM
To: Seguin, Jason <jason.seguin@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>
Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 23

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Hello Jason,

Unfortunately, I am unable to send an FLR for this work tomorrow. Could a field report please be submitted to <https://fdp.mcnf-doca.ca>? When submitting a report, please reference **DOCA Project number 2019-0814**.

If you have any questions or issues, please reach out to Megan DeVries at megan.devries@mncfn.ca.

Thank you, and have a lovely evening!

Joelle Williams
Field Coordinator



Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

P: 905-768-4260 | M: 905-870-2918

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From: Joelle Williams

Sent: Tuesday, July 20, 2021 2:52 PM

To: 'Seguin, Jason' <jason.seguin@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>

Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 20

Hi Jason,

Thank you for your email. I have added this work to our Friday schedule. On Thursday, I will let you know if an FLR is available.

Have a lovely evening!

Joelle Williams

Field Coordinator



Department of Consultation and Accommodation (DOCA)

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From: Seguin, Jason <jason.seguin@woodplc.com>
Sent: Tuesday, July 20, 2021 2:27 PM
To: Joelle Wiliams <Joelle.Williams@mncfn.ca>; Howell, Cara <cara.howell@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>
Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 20

Good afternoon Joelle,

We are going head back out to the study area this Friday the 23rd to attempt to complete the assessment. Hopefully things will dry-up over the next few days. It will be 9 am start time and I'll be the main contact again (905-818-1992).

My apologies for all the back and forth on this one. The weather has not be very co-operative for field walking this month.

Thank you,

Jason

From: Joelle Wiliams <Joelle.Williams@mncfn.ca>
Sent: July 20, 2021 8:31 AM
To: Seguin, Jason <jason.seguin@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Slim, Barbara <barbara.slim@woodplc.com>
Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 20

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Hi Jason,

Thank you for your email. I just spoke with Mariah, and she let me know what was happening. Because it's so early, she was able to go to another site.

Have a good day and stay cool!

Joelle Williams
Field Coordinator



Department of Consultation and Accommodation (DOCA)

Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

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From: Seguin, Jason <jason.seguin@woodplc.com>

Sent: Tuesday, July 20, 2021 8:28 AM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>; Howell, Cara <cara.howell@woodplc.com>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Slim, Barbara <barbara.slim@woodplc.com>

Subject: Re: (2019-0814) SW Niagara WWTP - MCFN - July 20

Hi Joelle

Unfortunately we have to reschedule the field assessment for a later date. The field is saturated from all the rain over the weekend. I spoke with Mariah just a few mins ago. She actually made it to site before we did. I'll be in touch once we have a confirmation on a field date.

Kind regards
Jason

Sent from my Bell Samsung device over Canada's largest network.

From: Seguin, Jason

Sent: Monday, July 19, 2021 4:05:08 PM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>; Howell, Cara <cara.howell@woodplc.com>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Slim, Barbara <barbara.slim@woodplc.com>

Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 20

Hi Joelle

Thank you for confirming. Cara is out of the office for the remainder of the week, but I am available should anything you need to contact her.

Thanks again and have a nice evening as well.

Kind regards,
Jason

From: Joelle Wiliams <Joelle.Williams@mncfn.ca>
Sent: July 19, 2021 3:53 PM
To: Howell, Cara <cara.howell@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Seguin, Jason <jason.seguin@woodplc.com>
Subject: RE: (2019-0814) SW Niagara WWTP - MCFN - July 20

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Hello Cara,

The following FLR will be onsite tomorrow at 9 am.

Mariah Sault (289-321-1882)

In the event of a cancellation or other schedule change, please contact me (Joelle Williams) via cell phone (905-870-2918) or email (joelle.williams@mncfn.ca) and CC Megan DeVries (megan.devries@mncfn.ca).

Have a lovely evening!

Joelle Williams
Field Coordinator



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)

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P: 905-768-4260 | M: 905-870-2918

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From: Joelle Wiliams
Sent: Monday, July 19, 2021 1:13 PM
To: 'Howell, Cara' <cara.howell@woodplc.com>
Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Seguin, Jason <jason.seguin@woodplc.com>
Subject: (2019-0814) SW Niagara WWTP - MCFN - July 20

Hi Cara,

Thank you for the email. I have added the following site info to our schedule. I will be in touch this afternoon to let you know if an FLR is available.

Start Date: Tuesday, July 20, 2021

Start Time: 9:00 am

Consultant Company: Wood

Field Director: Jason Seguin (905-818-1992)

Field Crew: Thomas Prince

Stage: Stage 1 & 2AA (Pedestrian Survey)

PPE: vis-vest, steel-toed boots, safety gloves and safety glasses.

Meeting Location: 6811 Reixinger Road, Niagara Falls

Thank you kindly,

Joelle Williams
Field Coordinator



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)

4065 Highway 6 North, Hagersville, ON N0A 1H0

P: 905-768-4260 | M: 905-870-2918

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From: Howell, Cara <cara.howell@woodplc.com>

Sent: Wednesday, July 14, 2021 1:05 PM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Seguin, Jason <jason.seguin@woodplc.com>

Subject: FW: SW Niagara WWTP

Hi Joelle,

Sorry for the multiple emails today. The Niagara PM just contacted me and said the fields are too

wet to walk at the moment.

We are going to reschedule to Tuesday July 20th, 2021.
Same meeting time and place.

Thanks,
Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com

The logo for Wood Plc, featuring the word "wood." in a bold, lowercase, sans-serif font.

From: Howell, Cara

Sent: Wednesday, July 14, 2021 12:11 PM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>

Cc: Seguin, Jason <jason.seguin@woodplc.com>; Megan DeVries <Megan.DeVries@mncfn.ca>

Subject: FW: SW Niagara WWTP

Hi Joelle,

We have revised the meeting place to 6811 Reixinger Road.

Sorry for any inconvenience.

Thanks,
Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com

The logo for Wood Plc, featuring the word "wood." in a bold, lowercase, sans-serif font.

From: Howell, Cara

Sent: Wednesday, July 14, 2021 10:51 AM

To: Joelle Wiliams <Joelle.Williams@mncfn.ca>

Cc: Megan DeVries <Megan.DeVries@mncfn.ca>; Seguin, Jason <jason.seguin@woodplc.com>

Subject: SW Niagara WWTP

Good Morning Joelle,

On Thursday July 15th we will be continuing with the Stage 2 pedestrian survey for the South Niagara Falls Treatment Plant project. I have attached a study area map as a refresher. We will be walking the southeast field.

The Niagara Region Project manager will be onsite Wednesday morning to check the field conditions. Depending on the amount of rain the area receives we may delay until next Monday the 16th. I will send a confirmation email to you on Wednesday night to confirm field work.

Please find the site information below

Field Director: Jason Seguin

Cell Phone: 905-818-1992

Field Crew: Thomas Prince

Meeting Location and Time: 9am at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario

PPE Required: visi-vest, steel toed boots, safety gloves and safety glasses.

Please feel free to contact me if you have any questions or concerns.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

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From: [Schopf, Heidi](#)
To: [Tanya Hill-Montour](#); [Dickinson, Chelsea](#)
Cc: [Lane, Krista](#); [Vespi, Lisa](#); [Slim, Barbara](#); [Howell, Cara](#)
Subject: *START TIME CHANGED TO 9:30AM* - Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Wednesday, October 6, 2021 10:20:39 PM
Attachments: [image001.png](#)
Importance: High

Good evening Tanya,

I am very sorry for the late night email but I just received word from the client that the fieldwork at 6811 Reixinger Road will start at 9:30am tomorrow.

You have my apologies for this last minute notice.

Sincerely,

Heidy Schopf, MES, CAHP (she/her)

Built Heritage and Cultural Landscape Team Lead

Mobile: +1 (416) 518 0145

www.woodplc.com

wood.

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Monday, October 4, 2021 7:51 PM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Cc: Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Thank you noted scheduling

Kind Regards,

Tanya j. Hill-Montour Hons. BA
SNGREC Archaeology Supervisor
c.226.388.0665
e. tanyahill-montour@sixnations.ca

On Oct 4, 2021, at 6:34 PM, Dickinson, Chelsea <chelsea.dickinson@woodplc.com> wrote:

Good Evening Ms. Hill,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 6811 Reixinger Rd in Niagara Falls as part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (October 7th).

Please find below the site information and contact details:

Field Director: Krista Lane (krista.lane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: Lauren Zapishny

Meeting Location and Time: 7:30am (see map for parking and survey locations [orange area around the farmhouse and orange area along Welland River shoreline])

PPE Required: Visi-vest and steel toed safety boots

<image002.png>

Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com

<image003.png>

From: Howell, Cara

Sent: Thursday, September 2, 2021 3:49 PM

To: 'Tanya Hill-Montour' <tanyahill-montour@sixnations.ca>

Cc: Lane, Krista <krista.lane@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater

Treatment Plant, City of Niagara Falls

Hi Tanya,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

<image001.png>

From: Howell, Cara
Sent: Tuesday, August 31, 2021 9:33 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Tanya,

Lisa asked me to send you this address - 6811 Reixinger. This is the farmers house address. May be easier to GPS.

Thanks,
Cara

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Tuesday, August 31, 2021 9:30 AM
To: Howell, Cara <cara.howell@woodplc.com>

Cc: Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Schopf, Heidi <heidy.schopf@woodplc.com>; Lane, Krista <krista.lane@woodplc.com>

Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good morning Cara,

Thank you for the details regarding Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
t.519.754.0665
e. tanyahill-montour@sixnations.ca

On Aug 31, 2021, at 9:16 AM, Howell, Cara <cara.howell@woodplc.com> wrote:

Good Morning Tanya,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls.

Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.

<image001.png>

Please let me know if you have any questions or concerns.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

<image002.png>

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September 18, 2020

Project No. OCUL2001

Attention: **Ms. Megan DeVries, M.A., Archaeological Operations Supervisor,
Department of Consultation and Accommodation (DOCA), Mississauga of
the Credit First Nation (MCFN)**

RE: **Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater
Treatment Plant, City of Niagara Falls, Regional Municipality of Niagara,
Ontario**

Dear Ms. DeVries,

Niagara Region has retained Wood Environment & Infrastructure Solutions ("Wood") to complete a Stage 1 & 2 archaeological assessment for a Schedule "C" Municipal Class Environmental Assessment ("EA") for the proposed South Niagara Falls Wastewater Treatment Plant ("WWTP") site and associated sewer alignments. In keeping with Niagara Region's ongoing Indigenous engagement process, this letter shares information regarding the South Niagara Falls WWTP, which is located at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario.

The fieldwork is scheduled to begin on September 30, 2020 for this project; however, the exact date of fieldwork will not be known until any underground utility locates and any necessary ploughing have been completed and all ploughed areas have been allowed to weather sufficiently. Consequently, if you would wish to join us during the Stage 2 fieldwork, we will follow up this letter with an email providing the start date, meeting location, etc. Please be advised that any field personnel will have to be outfitted in proper PPE, including visi-vest, steel toed boots, safety gloves, face coverings, and safety glasses. Standard COVID-19 requirements including physical distancing protocols will also be in place.

STAGE 1 & 2 ARCHAEOLOGICAL ASSESSMENT SCOPE OF WORK

The Stage 1 & 2 archaeological assessment will be conducted in accordance with the Ministry of Heritage, Sport, Tourism and Culture Industries' ("MHSTCI") *Standards and Guidelines for Consultant Archaeologists, 2011*, and with the *Ontario Heritage Act, R.S.O. 1990, c.O.18*.

The scope of work for the Stage 1 components will consist of the following tasks:

- In keeping with Niagara Region's ongoing engagement with relevant First Nations, prepare a property-specific information sharing letter to explain the scope of work;
- Contact the MHSTCI to determine a comprehensive listing of all recorded archaeological sites within one kilometre of the study area;

- Contact the MHSTCI to determine a comprehensive listing of all previous archaeological assessments that have been conducted within a 50-metre radius of the study area and review each previous assessment;
- Conduct a desktop review of the study area's physical setting to determine its potential for both historic and pre-contact human occupation, including its hydrology, topology, soils, vegetation, and proximity to historically important resources and early transportation routes and settlements;
- Conduct a specific review of the potential for historic occupation as documented in early mapping and other archival sources;
- Carry out a review of recent land-use practices that may have impacted or removed archaeological potential;
- Review any available geotechnical or environmental boreholes to understand the stratigraphy of the study area; and,
- Formulate appropriate field testing strategies for areas of ostensibly intact archaeological potential.

The scope of work for the Stage 2 components will consist of the following tasks:

- Facilitate public and/or private underground utility locates prior to the completion of any invasive testing and take due care during the performance of fieldwork;
- Assess freshly ploughed and weathered agricultural fields by means of pedestrian survey (see description below) at five-metre intervals;
- Assess areas where ploughing is not viable by means of hand-shovel test-pit survey (see description below) at five-metre intervals;
- Complete all necessary mapping, field photography and other relevant graphics;
- Process and analyze recovered artifacts; and,
- Prepare separate Stage 1 & Stage 2 reports of findings with recommendations regarding whether any further archaeological assessment is required. Archaeological sites discovered during the Stage 2 assessment may be recommended for Stage 3 site-specific assessment.

Description of a Pedestrian Survey

Pedestrian surveys are conducted on cultivated fields with surface visibility of at least 80%. Archaeologists walk these fields at five-metre transects, flagging any surface artifacts. If archaeological resources of cultural heritage value or interest are found, their exact locations are plotted by GPS. Culturally or temporally diagnostic artifacts are recovered, processed, analyzed and catalogued.

Prior to pedestrian survey, fields must have been ploughed (and disked if heavy clay) and allowed to weather through one heavy, or several light rainfalls. Mouldboard ploughing and disk harrowing are the only acceptable cultivation techniques. "No till", "chisel plough", or "soil saver" cultivation techniques cannot be used to prepare lands for survey. Pedestrian surveys cannot be conducted if ground surface visibility is reduced to below 80% by such conditions such as snow, crop, weed or debris cover.

Definition of a Test Pit Survey

Test pit surveys involve the hand digging of test pits (approximately 30 centimetres in diameter), through the A Horizon (topsoil) and five centimetres into the B Horizon (subsoil) at five-metre intervals. Excavated soils are screened for artifacts through six-millimetre aperture mesh and the walls of each test pit are examined for cultural soil horizons. All artifact-bearing (“positive”) test pits are flagged and plotted by GPS.

The pattern and intensity of test-pit placement may be altered due to changes in archaeological potential in different parts of a study area and/or the presence of disturbed soils. Any areas of ‘disturbance’ are evaluated and photo-documented. If archaeological resources of cultural heritage value or interest are encountered, they are recovered for processing, analysis and cataloguing by test-pit number. In the case of an isolated “positive” test pit, *MTCS Standards* require the excavation of eight additional test pits at a two-metre radius around the isolated “positive” test pit as well as the excavation of a one-metre test unit directly over the isolated “positive” test pit. All test pits and test units are backfilled, and any sod caps are replaced and tamped down by foot.

BRIEF BIOGRAPHIES OF KEY PERSONNEL

Heidy Schopf, MES, CAHP, Cultural Heritage Team Lead and Senior Cultural Heritage Specialist – Role: Project Manager

Ms. Schopf is a Senior Cultural Heritage Specialist at Wood and has worked in the field of Cultural Resource Management since 2007. She is a **Professional Member of the Canadian Association of Heritage Professionals (CAHP)** and is currently a Candidate Member of the Ontario Professional Planners Institute (OPPI). She has worked on a wide variety of projects throughout Ontario, including cultural heritage resources assessments, heritage impact assessments, heritage documentation reports (photographic and 3D/LiDAR), cultural heritage evaluations, strategic conservation plans, HCD studies and plans, heritage feasibility studies, and Archaeological Assessments. Ms. Schopf has extensive experience applying local, Provincial, and Federal heritage guidelines and regulations to evaluate protected and potential cultural heritage properties. She is skilled at carrying out impact assessments and developing mitigation measures to conserve the heritage attributes of properties where changes are proposed. Ms. Schopf has completed hundreds of cultural heritage projects under a variety of processes, including: Environmental Assessment Act, Planning Act, Ontario Heritage Act, Transit Project Assessment Process, Renewable Energy Approval, and Ontario Energy Board.

Peter Popkin, Ph.D., CAHP, MCIfA, Associate Archaeologist – Role: Senior Project Reviewer

Dr. Popkin is an Associate Archaeologist at Wood. Peter has over 20 years of professional experience in both consulting and academic archaeology within Canada and internationally. In Ontario he has successfully undertaken consultant archaeology projects triggered by: the Planning Act (subdivisions, site plans, re-zoning, official plan amendments, consent), the Environmental Assessment Act (individual and Class EAs, provincial and federal EAs), the Environmental Protection Act (Renewable Energy Approvals O.Reg 359/09), as well as the Aggregates Resources Act (aggregate pit extensions), and has managed projects under the National Energy Board Act (now the Canadian Energy Regulator Act). Dr. Popkin has lectured in archaeology at York University, the University of Toronto, and Wilfrid Laurier University in Ontario, as well as University

College London, King's College London, and Birkbeck College, in the UK. Dr. Popkin holds a **Professional Archaeological Licence (P362)** from the MHSTCI, is a Professional Member of the Canadian Association of Heritage Professionals (CAHP) and is a full Member of the Chartered Institute for Archaeologists (MCI(A)). Dr. Popkin received his Ph.D. from the Institute of Archaeology, University College London, London, UK (2009).

Barbara Slim, M.A., Senior Archaeologist, Archaeology Discipline Lead – Role: Project Licensee

Ms. Slim is a professionally licensed archaeologist with over 15 years of experience in the archaeology and environmental consulting industry. Ms. Slim serves as Ontario's Archaeology Discipline Lead. She has conducted all aspects of Stage 1 to 4 Archaeological Assessments, with a strong emphasis on transportation / corridor, infrastructure / road improvement and Environmental Assessment (EA) related work. As a founding member of the Wood Ontario archaeology team, Ms. Slim has performed every aspect of project execution, from client relations, project design to MHSTCI clearance. Through her project experience, Ms. Slim has gained an in-depth understanding of the Heritage Act and legislations & standards associated with cultural heritage management. Ms. Slim holds a Master's Degree in Anthropology from Trent University and an Honours Bachelor's Degree in Environmental Studies and Anthropology from Trent University. Ms. Slim currently holds a **Professional Archaeology Licence (P348)** issued by the MHSTCI, is **MTO RAQs certified in Archaeology/Heritage** and is a member of the Ontario Association of Professional Archaeologists.

Kristy O'Neal, M.A., Senior Archaeologist – Role: Report Writer/Researcher

Ms. O'Neal is a Senior Archaeologist at Wood with over 23 years of archaeology consulting experience in Ontario. Ms. O'Neal has supervised a wide variety of Stage 1 through 4 archaeological assessments throughout Ontario, with a focus on both pre-contact and Euro-Canadian settlements. Pre-Contact projects have involved First Nations consultation. Ms. O'Neal has a strong background in cultural material analysis and has extensive experience with large complex stratified Indigenous sites situated within often compromised urban context. She holds a Master's Degree in Bioarchaeology and a Bachelor of Arts Degree in Anthropology from the University of Western Ontario, where she received a Gold Medal Award. Ms. O'Neal's areas of interest and expertise include the archaeological prehistory and history of southwestern Ontario, with focus on the Middle Woodland period and changes to Indigenous weapons technology. Ms. O'Neal holds a **Professional Archaeology Licence (P066)** issued by the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries, and is a member of the Ontario Archaeological Society.

Cara Howell B.A., Senior Archaeologist – Role: Field Director

Ms. Howell holds a B.A. degree in Anthropology and Classical Archaeology from McMaster University and has been working in the field of archaeological consulting since 1999. She holds an **Applied Research Licence (R180)** in archaeology from the MHSTCI and possesses a full range of archaeological skills. As a result of her specialized interest in the historic Euro-Canadian period, she has become an authority on early Euro-Canadian artifacts and historic period background research. As the archaeology Laboratory Director for Wood's Cultural Heritage Resources Group,

she developed and implements a computerized cataloguing system for artifacts and other resources. Ms. Howell also serves as lead liaison with Indigenous communities.

We have provided this information sharing letter to demonstrate that we take your interests in the project area very seriously. If you have any questions or concerns, please do not hesitate to contact me at kristy.oneal@woodplc.com.

Regards,

**Wood Environment & Infrastructure Solutions,
A Division of Wood Canada Limited**



Kristy O'Neal, M.A.
Senior Archaeologist
kristy.oneal@woodplc.com



Barbara Slim, M.A.
Associate Archaeologist
barbara.slim@woodplc.com

From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls
Date: Wednesday, January 26, 2022 12:12:57 PM
Attachments: [OCUL2001 St 2 SW Niagara WWTP Information Sharing Letter - MCFN - 18 September 2020.pdf](#)
[image001.png](#)

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Friday, September 18, 2020 4:26 PM
To: Megan DeVries <Megan.DeVries@mncfn.ca>
Cc: Mark LaForme <Mark.LaForme@mncfn.ca>; Schopf, Heidi <heidy.schopf@woodplc.com>
Subject: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon Megan,

Please see the attached information sharing letter with details regarding Wood's upcoming Stage 1 and 2 archaeological assessment for the South Niagara Wastewater Treatment Plant in Niagara Falls. We will follow up with an additional email once fieldwork dates have been confirmed.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#); williams.todde@gmail.com
Cc: tworowarchaeology@gmail.com; [Vespi, Lisa](#); [Slim, Barbara](#); [Howell, Cara](#)
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Thursday, November 11, 2021 4:23:32 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Hello,

A quick update to let you know that we will be on site again tomorrow to finish up the test pitting. We will be onsite at 9am (701 Allanburg Rd).

-Heidy

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From: Schopf, Heidi <heidy.schopf@woodplc.com>
Sent: Thursday, November 11, 2021 9:37:29 AM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>; williams.todde@gmail.com
<williams.todde@gmail.com>
Cc: tworowarchaeology@gmail.com <tworowarchaeology@gmail.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good morning,

A quick note to say that we are running about an hour behind schedule. We should be ready to start test pitting at 10:30.

Parking on Allanburg Road is not permitted so I am parked at the rear of the fire station (beside the area we will be test pitting).

-Heidy

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From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Sent: Wednesday, November 10, 2021 1:15:45 PM
To: williams.todde@gmail.com <williams.todde@gmail.com>
Cc: tworowarchaeology@gmail.com <tworowarchaeology@gmail.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning,

I am just following up on the below email to confirm that the fieldwork for tomorrow is a go.

If you have any questions or concerns please let me know.

-Chelsea

From: Dickinson, Chelsea

Sent: Monday, November 8, 2021 3:29 PM

To: williams.todde@gmail.com

Cc: tworowarchaeology@gmail.com; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidy <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>

Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Mr. Williams,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 701 Allanburg Road in Thorold as part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (November 11th).

Please find below the site information and contact details:

Field Director: Myself (chelsea.dickinson@woodplc.com)

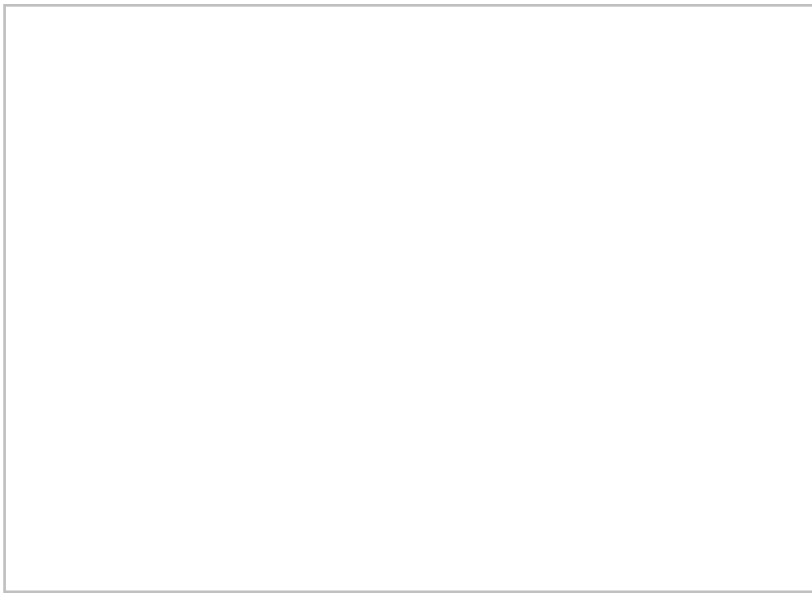
Cell Phone: 226-821-2497

Field Crew: Heidy Schopf (416) 518 0145

Meeting Location: 701 Allanburg Road, Thorold (see map for parking and survey locations)

Meeting Time: Heidy will be on site for 8:00am to meet with locates. As this is the case we are not planning to start the archaeological fieldwork until **9:30am** (dependent on weather conditions and confirmation that locates are complete)

PPE Required: Visi-vest and steel toed safety boots



Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



From: Dickinson, Chelsea

Sent: Monday, October 4, 2021 6:35 PM

To: williams.todde@gmail.com

Cc: tworowarchaeology@gmail.com; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidyschopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Evening Mr. Williams,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 6811 Reixinger Rd in Niagara Falls as

part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (October 7th).

Please find below the site information and contact details:

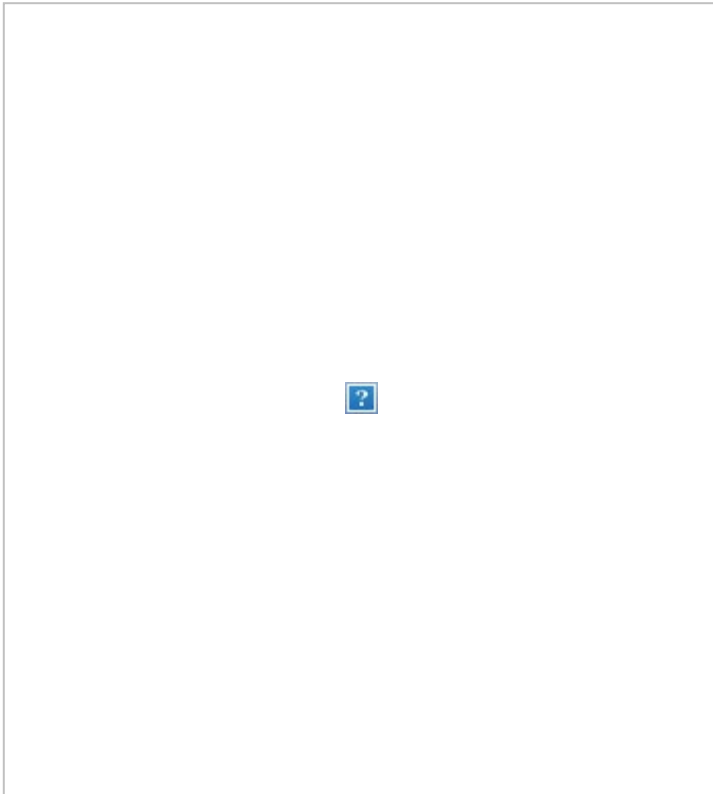
Field Director: Krista Lane (krista.lane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: Lauren Zaphishny

Meeting Location and Time: 7:30am (see map for parking and survey locations [orange area around the farmhouse and orange area along Welland River shoreline])

PPE Required: Visi-vest and steel toed safety boots



Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



From: Howell, Cara

Sent: Thursday, September 2, 2021 3:49 PM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com



From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:37 AM

To: Todd Williams <williams.todde@gmail.com>; Wayne Hill <tworowarchaeology@gmail.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

I think there was some confusion last time with the address I gave.

Lisa has asked me to send the house address - 6811 Reixinger. That will take you right to the fields and

the crew can park on the road.

Thanks,
Cara

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:21 AM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>

Subject: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Todd,

**NOTICE OF PUBLIC INFORMATION CENTRE #4
SOUTH NIAGARA FALLS
WASTEWATER SOLUTIONS
MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT**

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

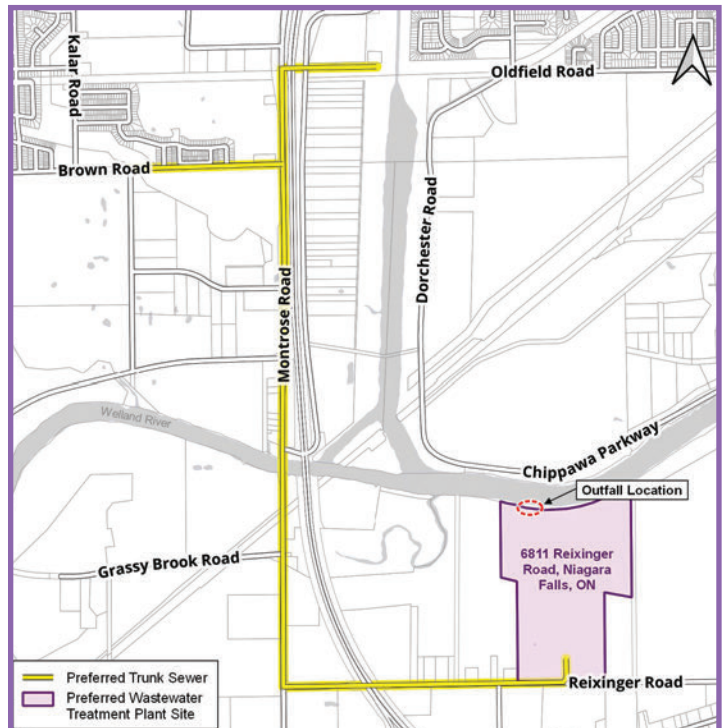
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.
niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

If you require any accommodations to participate, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act. The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

Danielle MacKinnon - GM BluePlan

From: Marie-Annick Prevost <Marie-Annick.Prevost@mncfn.ca>
Sent: Tuesday, March 22, 2022 10:59 AM
To: Dickinson, Chelsea
Cc: Schopf, Heidi; Slim, Barbara; Vespi, Lisa; Macarthur, Josh; Adam LaForme
Subject: RE: SNFWWTP - Archaeology Reports - MCFN Review

CAUTION EXTERNAL EMAIL: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Hi Chelsea,

On behalf of Mississauga of the Credit First Nation, Department of Consultation and Accommodation, I reviewed our FLR notes and the five stage 1 and/or 2 Archaeological Assessment reports (as listed in your email below) prepared by Wood for the South Niagara Falls Waste Water Treatment Plant.

One general comment I have is that none of the reports mention that the study area is located within the Treaty and Traditional territory of the Mississauga of the Credit First Nation. The treaty making process not only recognized the Mississaugas of the Credit as the owners of these lands and but also established their role as stewards of its resources (including archaeological resources), which today forms the basis of MCFN involvement in the planning process. You can find more information on the treaties signed between the Crown and MCFN on our website (<http://mncfn.ca/about-mncfn/treaty-lands-and-territory/>).

My second comment is specific to the Stage 2 AA for the SNFWWTP Phase 2 Lands. I see on this property bands of vegetation between fields that seem wider than the 5m survey interval recommended. In the area in which further stage 2 AA is required (in the South-East field), I would consider adding a row of test pits at 5m interval. For the vegetation band in the middle of AgGs-48, can you clarify if this area has been test pitted? If not, I would consider including it as part of the AgGs-48 site itself (instead of the buffer zone) or recommending this area for test pitting survey.

Finally, do you have any idea of when you plan to try conducting the stage 2 pedestrian survey again? I would encourage you to reach out to our Field Operation Supervisor, Adam LaForme, as soon as possible to discuss your approach and, if necessary, alternative strategies.

Best,

Marie-Annick Prevost, PhD (she/her)
Field archaeologist



Mississaugas of the Credit First Nation (MCFN)
Department of Consultation and Accommodation (DOCA)
4065 Highway 6 North, Hagersville, ON N0A 1H0
Cell: 905-870-5844

From: Adrian Blake <Adrian.Blake@mncfn.ca>
Sent: Thursday, March 3, 2022 11:59 AM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Macarthur, Josh <josh.macarthur@niagararegion.ca>; Adam LaForme <Adam.LaForme@mncfn.ca>
Subject: RE: SNFWWTP - Archaeology Reports - MCFN Review

Chelsea,

Thank you for sharing these reports with us and seeking our feedback. Right now our turn around time is about 4 weeks, so I think we can probably get most of these done by the requested date of April 1st. In the future you should send all reports to Adam LaForme our Archaeological Operations Supervisor – cc'd to this email. He uploads the reports to our system and assigns tasks.

Adrian Blake, MSc. (he/him)
Field Archaeologist



Department of Consultation and Accommodation (DOCA)
Mississaugas of the Credit First Nation (MCFN)
4065 Highway 6 North, Hagersville, ON NOA 1H0
M: 905-979-3862
<http://www.mncfn.ca>

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From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Sent: Tuesday, March 1, 2022 4:54 PM
To: Adrian Blake <Adrian.Blake@mncfn.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Macarthur, Josh <josh.macarthur@niagararegion.ca>
Subject: SNFWWTP - Archaeology Reports - MCFN Review

Good afternoon Mr. Blake,

Wood is happy to send along copies of the following reports as part of the South Niagara Falls Wastewater Treatment Plant (SNFWWTP) project.

1. Marine Archaeological Assessment
2. Stage 1 AA for the SNFWWTP Phase 1 Lands
3. Stage 1-2 AA for the SNFWWTP Phase 2 Lands
4. Stage 1 AA for the SNFWWTP South Thorold Trunk and Blackhorse Sewage Pumping Station
5. Stage 2 AA for the SNFWWTP Blackhorse Sewage Pumping Station

As a result of file size, the above reports and accompanying supplementary documents will be shared via an FTP link provided in a separate email. Should you have any issues accessing the above documents please let me know.

It would be appreciated if Mississaugas of the Credit First Nation (“MCFN”) could review these reports and provide comments for our consideration prior to submission to the Ministry of Heritage, Sport, Tourism and Culture Industries. We understand that with the current volume of projects and proposals underway on MCFN’s treaty and traditional lands, as well as availability of MCFN’s staff, it may take some time for this report to be reviewed. If possible, we request MCFN’s review and comments be provided by April 1, 2021.

If you have any questions or concerns regarding the above, please let me know.

Thanks,

Chelsea Dickinson, B.A. Hons.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



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Haudenosaunee Development Institute

April 10, 2019

Haudenosaunee Confederacy Chiefs Council
16 Sunrise Court, P.O. Box 714, Suite 600
Ohsweken, Ontario N0A 1M0

**RE: Notice of Study Commencement
South Niagara Wastewater Solutions Schedule 'C' Class Environmental
Assessment**

Dear Chiefs Council:

Please find attached the Notice of Study Commencement for the South Niagara Wastewater Solutions Schedule 'C' Class Environmental Assessment (EA). This Class EA will select a location for a new South Niagara wastewater treatment plant and plan improvements to upgrade the sewer system to support growth and protect the environment.

Siting the location for a new wastewater treatment plant in South Niagara Falls will mean balancing different priorities and making tough decisions for our community. There are many factors to consider and the purpose of the EA is to evaluate all of these factors in order to make an informed decision.

The Region will ensure that key stakeholders and the public have a voice at each step along the way to help the study select a site for the new plant and a plan for upgrades to the sewer system that works for the community.

We look forward to your involvement through this Class EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng.

Project Manager
Niagara Region
1815 Sir Isaac Brock Way, P.O. Box 1042
Thorold, Ontario L2V 4T7
Phone: 905.980.6000 ext. 3640
Email: newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Project Manager
GM BluePlan Engineering
3300 Highway No. 7, Suite 402
Vaughan, Ontario L4K 4M3
Phone: 416.577.2500
Email: chris.hamel@gmblueplan.ca

Enclosed: Notice of Study Commencement

May 9, 2019

Haudenosaunee Confederacy Chiefs Council
16 Sunrise Court, P.O. Box 714, Suite 600
Ohsweken, Ontario N0A 1M0

Dear Chiefs Council:

**RE: Notice of Public Information Centre No.1 for South Niagara Falls
Wastewater Solutions Schedule 'C' Class Environmental Assessment**

Please find attached the Notice of Public Information Centre No.1, which was first published in local newspaper *Niagara This Week* on May 9, 2019.

Public Information Centre No.1 will be held:

Date / Time:	Tuesday May 28, 2019 – 5:00 to 8:00 p.m.
Location:	Boys & Girls Club of Niagara 8800 McLeod Road, Niagara Falls, ON, L2H 0Y8

Niagara Region is undertaking this Municipal Class Environmental Assessment (EA) in the South Niagara area which includes the addition of a new wastewater treatment plant and the pipework to connect to the existing system.

If you would like more information or would like to be removed from the study's contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416.577.2500
chris.hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No.1

Danielle MacKinnon - GM BluePlan

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Thursday, September 24, 2020 11:52 AM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions
Attachments: 2019-11-07-HCI-SNFWWTP-EA-Ltr.pdf; 3965 South Niagara Falls Wastewater Solutions Mailout PIC2.pdf

Danielle,

See below.

Jade

From: New Treatment Plant
Sent: Monday, November 11, 2019 11:00 AM
To: hdi2@bellnet.ca
Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

Hello Mr. Williams,

Please find attached the Notice of Public Information Centre No. 2 and Notification letter for South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Project baseline reports have been uploaded for your information at the following link:

[https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS_-_Baseline_Reports_\(Indigenous_Review\).zip](https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS_-_Baseline_Reports_(Indigenous_Review).zip)

Please respond to confirm when data has been successfully downloaded. This link is set to expire on November 28, 2019. If this date has exceeded, and you can no longer access the data, please let me know and I will provide an updated link.

The Regional Municipality of Niagara Confidentiality Notice The information contained in this communication including any attachments may be confidential, is intended only for the use of the recipient(s) named above, and may be legally

privileged. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, disclosure, or copying of this communication, or any of its contents, is strictly prohibited. If you have received this communication in error, please re-send this communication to the sender and permanently delete the original and any copy of it from your computer system. Thank you.

November 7, 2019

Mr. Todd Williams
Environmental Supervisor
Haudenosaunee Confederacy
c/o Haudenosaunee Development Institute
16 Sunrise Court, Suite 407
P.O. Box 714
Ohsweken, ON N0A 1M0

Dear Mr. Williams:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
City of Niagara Falls
Our File: O.01.04 99 20000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. This PIC will present the long list of potential wastewater treatment plant sites and offer the opportunity to comment and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date / Time: Wednesday, November 20, 2019 – 5 to 7 p.m.

Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3 – 4 p.m.

In addition to the Notice, the Niagara Region Project Team is sharing key study area baseline reports with indigenous stakeholders to enable an early review and feedback opportunity.

Please find attached the following documents:

- Notice of Public Information Centre No. 2
- Cultural Heritage Screening Report (DRAFT)
- Stage I Archaeological Assessment (DRAFT)
- Desktop Assessment of Natural Environmental Constraints (DRAFT)

Should you have any questions or wish to provide comment on the attached documents, please contact one of the Project Managers listed below.

We look forward to your continued involvement through this EA process.

Sincerely,



Ms. Lisa Vespi, P.Eng., PMP®
Senior Project Manager
Water and Wastewater Engineering
Water and Wastewater Services
905-980-6000, ext. 3640
new.treatment.plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416-577-2500
chris.hamel@gmblueplan.ca

LV/at

(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls WWTP\Project Management\Correspondence\Letters\2019\2019_11_06_Indigenous-Group.SNFWWTP-EA.Ltr.docx)

Attach.

cc: Chris Hamel, GM BluePlan Project Manager

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager, Niagara Region
905.980.6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager, GM BluePlan Engineering
416.703.0667
Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3

Danielle MacKinnon - GM BluePlan

From: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>
Sent: Tuesday, July 07, 2020 10:05 AM
To: hdi2@bellnet.ca
Cc: New Treatment Plant; Vespi, Lisa
Subject: South Niagara Falls Wastewater Solutions-Phase 3 Notice

Good Morning,

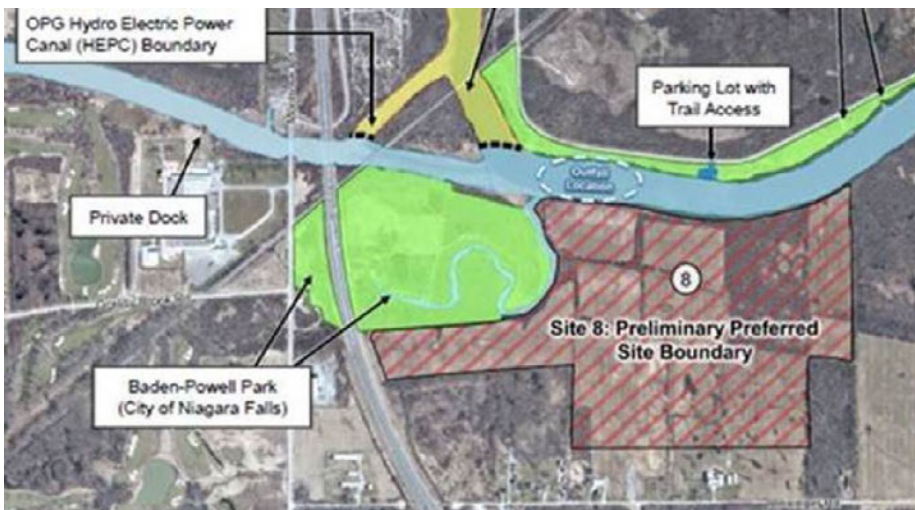
I am writing to inform you that Niagara Region has completed the Phase 2 Environmental Assessment for the South Niagara Falls Wastewater Treatment Plant project and has selected a preliminary preferred site at 6811 Reixinger Road and 7047 Reixinger Road in Niagara Falls. The potential site boundaries are outlined in the photo below for reference. Niagara Region is now moving into Phase 3 which includes the Archaeology (Stage 1 and 2 for the time being) and Cultural Heritage Impact Assessments.

As we move forward to this next step, our consultants will be in contact to ensure you are informed and have a point of contact should you have any questions, concerns or wish to be engaged.

For any additional information the Public Information Centre display boards and updates can be found on the project website: <https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>. Please do not hesitate to reach out.

Kind Regards,

Stephanie McGill





September 16, 2020

Project No. OCUL2001

Attention: Mr. Wayne Hill, Haudenosaunee Development Institute

RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls, Regional Municipality of Niagara, Ontario

Dear Mr. Hill,

Niagara Region has retained Wood Environment & Infrastructure Solutions ("Wood") to complete a Stage 1 & 2 archaeological assessment for a Schedule "C" Municipal Class Environmental Assessment ("EA") for the proposed South Niagara Falls Wastewater Treatment Plant ("WWTP") site and associated sewer alignments. In keeping with Niagara Region's ongoing Indigenous engagement process, this letter shares information regarding the South Niagara Falls WWTP, which is located at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario.

The fieldwork is scheduled to begin on September 30, 2020, for this project; however, the exact date of fieldwork will not be known until underground utility locates and any necessary ploughing have been completed and all ploughed areas have been allowed to weather sufficiently. Consequently, if you would wish to join us during the Stage 2 fieldwork, we will follow up this letter with an email providing the start date, meeting location, etc. Please be advised that any field personnel will have to be outfitted in proper PPE, including visi-vest, steel toed boots, safety gloves and safety glasses.

STAGE 1 & 2 ARCHAEOLOGICAL ASSESSMENT SCOPE OF WORK

The Stage 1 & 2 archaeological assessment will be conducted in accordance with the Ministry of Heritage, Sport, Tourism and Culture Industries' ("MHSTCI") *Standards and Guidelines for Consultant Archaeologists, 2011*, and with the *Ontario Heritage Act, R.S.O. 1990, c.O.18*.

The scope of work for the Stage 1 components will consist of the following tasks:

- In keeping with Niagara Region's ongoing engagement with relevant First Nations, prepare a property-specific information sharing letter to explain the scope of work;
- Contact the MHSTCI to determine a comprehensive listing of all recorded archaeological sites within one kilometre of the study area;
- Contact the MHSTCI to determine a comprehensive listing of all previous archaeological assessments that have been conducted within a 50-metre radius of the study area and review each previous assessment;

- Conduct a desktop review of the study area's physical setting to determine its potential for both historic and pre-contact human occupation, including its hydrology, topology, soils, vegetation, and proximity to historically important resources and early transportation routes and settlements;
- Conduct a specific review of the potential for historic occupation as documented in early mapping and other archival sources;
- Carry out a review of recent land-use practices that may have impacted or removed archaeological potential;
- Review any available geotechnical or environmental boreholes to understand the stratigraphy of the study area; and,
- Formulate appropriate field testing strategies for areas of ostensibly intact archaeological potential.

The scope of work for the Stage 2 components will consist of the following tasks:

- Facilitate public and/or private underground utility locates prior to the completion of any invasive testing and take due care during the performance of fieldwork;
- Assess freshly ploughed and weathered agricultural fields by means of pedestrian survey (see description below) at five-metre intervals;
- Assess areas where ploughing is not viable by means of hand-shovel test-pit survey (see description below) at five-metre intervals;
- Complete all necessary mapping, field photography and other relevant graphics;
- Process and analyze recovered artifacts; and,
- Prepare separate Stage 1 & Stage 2 reports of findings with recommendations regarding whether any further archaeological assessment is required. Archaeological sites discovered during the Stage 2 assessment may be recommended for Stage 3 site-specific assessment.

Description of a Pedestrian Survey

Pedestrian surveys are conducted on cultivated fields with surface visibility of at least 80%. Archaeologists walk these fields at five-metre transects, flagging any surface artifacts. If archaeological resources of cultural heritage value or interest are found, their exact locations are plotted by GPS. Culturally or temporally diagnostic artifacts are recovered, processed, analyzed and catalogued.

Prior to pedestrian survey, fields must have been ploughed (and disked if heavy clay) and allowed to weather through one heavy, or several light rainfalls. Mouldboard ploughing and disk harrowing are the only acceptable cultivation techniques. "No till", "chisel plough", or "soil saver" cultivation techniques cannot be used to prepare lands for survey. Pedestrian surveys cannot be conducted if ground surface visibility is reduced to below 80% by such conditions such as snow, crop, weed or debris cover.

Definition of a Test Pit Survey

Test pit surveys involve the hand digging of test pits (approximately 30 centimetres in diameter), through the A Horizon (topsoil) and five centimetres into the B Horizon (subsoil) at five-metre

intervals. Excavated soils are screened for artifacts through six-millimetre aperture mesh and the walls of each test pit are examined for cultural soil horizons. All artifact-bearing (“positive”) test pits are flagged and plotted by GPS.

The pattern and intensity of test-pit placement may be altered due to changes in archaeological potential in different parts of a study area and/or the presence of disturbed soils. Any areas of ‘disturbance’ are evaluated and photo-documented. If archaeological resources of cultural heritage value or interest are encountered, they are recovered for processing, analysis and cataloguing by test-pit number. In the case of an isolated “positive” test pit, *MTCS Standards* require the excavation of eight additional test pits at a two-metre radius around the isolated “positive” test pit as well as the excavation of a one-metre test unit directly over the isolated “positive” test pit. All test pits and test units are backfilled, and any sod caps are replaced and tamped down by foot.

BRIEF BIOGRAPHIES OF KEY PERSONNEL

Heidy Schopf, MES, CAHP, Cultural Heritage Team Lead and Senior Cultural Heritage Specialist – Role: Project Manager

Ms. Schopf is a Senior Cultural Heritage Specialist at Wood and has worked in the field of Cultural Resource Management since 2007. She is a **Professional Member of the Canadian Association of Heritage Professionals (CAHP)** and is currently a Candidate Member of the Ontario Professional Planners Institute (OPPI). She has worked on a wide variety of projects throughout Ontario, including cultural heritage resources assessments, heritage impact assessments, heritage documentation reports (photographic and 3D/LiDAR), cultural heritage evaluations, strategic conservation plans, HCD studies and plans, heritage feasibility studies, and Archaeological Assessments. Ms. Schopf has extensive experience applying local, Provincial, and Federal heritage guidelines and regulations to evaluate protected and potential cultural heritage properties. She is skilled at carrying out impact assessments and developing mitigation measures to conserve the heritage attributes of properties where changes are proposed. Ms. Schopf has completed hundreds of cultural heritage projects under a variety of processes, including: Environmental Assessment Act, Planning Act, Ontario Heritage Act, Transit Project Assessment Process, Renewable Energy Approval, and Ontario Energy Board.

Peter Popkin, Ph.D., CAHP, MCIfA, Associate Archaeologist – Role: Senior Project Reviewer

Dr. Popkin is an Associate Archaeologist at Wood. Peter has over 20 years of professional experience in both consulting and academic archaeology within Canada and internationally. In Ontario he has successfully undertaken consultant archaeology projects triggered by: the Planning Act (subdivisions, site plans, re-zoning, official plan amendments, consent), the Environmental Assessment Act (individual and Class EAs, provincial and federal EAs), the Environmental Protection Act (Renewable Energy Approvals O.Reg 359/09), as well as the Aggregates Resources Act (aggregate pit extensions), and has managed projects under the National Energy Board Act (now the Canadian Energy Regulator Act). Dr. Popkin has lectured in archaeology at York University, the University of Toronto, and Wilfrid Laurier University in Ontario, as well as University College London, King’s College London, and Birkbeck College, in the UK. Dr. Popkin holds a **Professional Archaeological Licence (P362)** from the MHSTCI, is a Professional Member of the

Canadian Association of Heritage Professionals (CAHP) and is a full Member of the Chartered Institute for Archaeologists (MCI(A)). Dr. Popkin received his Ph.D. from the Institute of Archaeology, University College London, London, UK (2009).

Barbara Slim, M.A., Senior Archaeologist, Archaeology Discipline Lead – Role: Project Licensee

Ms. Slim is a professionally licensed archaeologist with over 15 years of experience in the archaeology and environmental consulting industry. Ms. Slim serves as Ontario's Archaeology Discipline Lead. She has conducted all aspects of Stage 1 to 4 Archaeological Assessments, with a strong emphasis on transportation / corridor, infrastructure / road improvement and Environmental Assessment (EA) related work. As a founding member of the Wood Ontario archaeology team, Ms. Slim has performed every aspect of project execution, from client relations, project design to MHSTCI clearance. Through her project experience, Ms. Slim has gained an in-depth understanding of the Heritage Act and legislations & standards associated with cultural heritage management. Ms. Slim holds a Master's Degree in Anthropology from Trent University and an Honours Bachelor's Degree in Environmental Studies and Anthropology from Trent University. Ms. Slim currently holds a **Professional Archaeology Licence (P348)** issued by the MHSTCI, is **MTO RAQs certified in Archaeology/Heritage** and is a member of the Ontario Association of Professional Archaeologists.

Kristy O'Neal, M.A., Senior Archaeologist – Role: Report Writer/Researcher

Ms. O'Neal is a Senior Archaeologist at Wood with over 23 years of archaeology consulting experience in Ontario. Ms. O'Neal has supervised a wide variety of Stage 1 through 4 archaeological assessments throughout Ontario, with a focus on both pre-contact and Euro-Canadian settlements. Pre-Contact projects have involved First Nations consultation. Ms. O'Neal has a strong background in cultural material analysis and has extensive experience with large complex stratified Indigenous sites situated within often compromised urban context. She holds a Master's Degree in Bioarchaeology and a Bachelor of Arts Degree in Anthropology from the University of Western Ontario, where she received a Gold Medal Award. Ms. O'Neal's areas of interest and expertise include the archaeological prehistory and history of southwestern Ontario, with focus on the Middle Woodland period and changes to Indigenous weapons technology. Ms. O'Neal holds a **Professional Archaeology Licence (P066)** issued by the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries, and is a member of the Ontario Archaeological Society.

Cara Howell B.A., Senior Archaeologist – Role: Field Director

Ms. Howell holds a B.A. degree in Anthropology and Classical Archaeology from McMaster University and has been working in the field of archaeological consulting since 1999. She holds an **Applied Research Licence (R180)** in archaeology from the MHSTCI and possesses a full range of archaeological skills. As a result of her specialized interest in the historic Euro-Canadian period, she has become an authority on early Euro-Canadian artifacts and historic period background research. As the archaeology Laboratory Director for Wood's Cultural Heritage Resources Group, she developed and implements a computerized cataloguing system for artifacts and other resources. Ms. Howell also serves as lead liaison with Indigenous communities.

We have provided this information sharing letter to demonstrate that we take your interests in the project area very seriously. If you have any questions or concerns, please do not hesitate to contact me at kristy.oneal@woodplc.com.

Regards,

**Wood Environment & Infrastructure Solutions,
A Division of Wood Canada Limited**



Kristy O'Neal, M.A.
Senior Archaeologist
kristy.oneal@woodplc.com



Barbara Slim, M.A.
Associate Archaeologist
barbara.slim@woodplc.com

Danielle MacKinnon - GM BluePlan

Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

From: O'Neal, Kristy

Sent: Tuesday, November 17, 2020 1:27 PM

To: 'Wayne Hill' <tworowarchaeology@gmail.com>; 'Todd Williams' <williams.todde@gmail.com>

Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon, Wayne

We have just been in contact with Niagara Region regarding tomorrow's scheduled fieldwork, and field conditions do not currently meet MHSTCI requirements. Therefore, we wanted to let you know that tomorrow's fieldwork has been cancelled. We are going to allow the field to weather further this week and will email you again next week to reschedule fieldwork. Apologies for any inconvenience this has caused.

Thank you,
Kristy

From: O'Neal, Kristy

Sent: Tuesday, November 17, 2020 9:16 AM

To: 'Wayne Hill' <tworowarchaeology@gmail.com>; Todd Williams <williams.todde@gmail.com>

Subject: FW: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Hi Wayne & Todd,

Following up on my email from Friday, here are the additional details regarding the meeting time & location:

We will be arriving on site at 9:00am.

Can you please inform the monitor that they should park at the intersection of Reixinger Road and Dell Road, Niagara Falls. It is near the Dell Cemetery, as shown on the attached map.

The contact/field director is Cara Howell (905) 730-5735.

Thank you,

Kristy O'Neal, M.A.

Senior Archaeologist

Direct: 1 (519) 681-2400

Mobile: 1 (226) 377-0037

kristy.oneal@woodplc.com

www.woodplc.com

From: O'Neal, Kristy

Sent: Friday, November 13, 2020 5:37 PM

To: 'Wayne Hill' <tworowarchaeology@gmail.com>

Cc: Todd Williams <williams.todde@gmail.com>; Schopf, Heidy <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>; Anema, Jade <Jade.Anema@niagararegion.ca>; 'Vespi, Lisa'

<Lisa.Vespi@niagararegion.ca>

Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon Wayne,

Following up on the South Niagara Wastewater Treatment project in Niagara Falls, we would like to let you know that the field for the pedestrian survey has now been ploughed and weathered and we would like to schedule fieldwork for next Wednesday. Can you confirm if you will have a monitor available?

Further information on the project is provided below:

Start Date: Wednesday November 18, 2020 (Thursday November 19 is planned alternate date in case of inclement weather)

Start Time: TBD (Cara/Kristy will confirm meeting time early next week)

Consultant Company: Wood

Field Director and Cell #: Cara Howell, Senior Archaeologist (905) 730-5735

Stage: Stage 1 & 2AA (Pedestrian Survey)

Required PPE: Visi-vest, hard-hat, safety glasses, safety boots, safety gloves, face mask (to be used when social distancing is not possible)

Meeting Location: 7047 Reixinger Road, Niagara Falls. (Cara/Kristy will confirm meeting location & parking arrangements early next week.)

Size of Field Crew: 3

Attachments: 2

- EI Fitness for Duty for any Monitors or visitors prior to commencement of project
- Wood's Daily Declaration Form (to be signed daily via use of cellphone- word document attached for reference)

Wood is aware that the COVID-19 pandemic presents a challenge to everyone as we attempt to continue to perform work while practicing physical distancing. Please ensure that any monitor attending the site is aware of the following practices that we are following on our work sites:

- All employees and visitors to site must review the Fitness for Duty Medical Pre-Screening Form and provide their signature / confirmation on the Declaration Form Covid-19 (both attached);
- Wood will limit the size of their field crew;
- Face masks to be worn if working within 2 m;
- Distancing of workers and workers working separately with their own equipment.

Please let us know of any questions you may have.

We look forward to working with you on this project and will be in touch early next week to confirm details.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: Wayne Hill <tworowarchaeology@gmail.com>
Sent: Thursday, September 24, 2020 11:33 PM
To: O'Neal, Kristy <kristy.oneal@woodplc.com>
Cc: Todd Williams <williams.todde@gmail.com>; Schopf, Heidi <heidy.schopf@woodplc.com>
Subject: Re: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good evening Kristy,

How are you?

The HDI would like to confirm our participation in the stage 1 and 2 assessment.

Do you know who were to arrange a contract with to formalize an agreement?

Thanks Wayne,

On Fri., Sep. 18, 2020, 4:28 p.m. O'Neal, Kristy, <kristy.oneal@woodplc.com> wrote:

Good afternoon, Wayne

Please see the attached information sharing letter with details regarding Wood's upcoming Stage 1 and 2 archaeological assessment for the South Niagara Wastewater Treatment Plant in Niagara Falls. We will follow up with an additional email once fieldwork dates have been confirmed.

Thank you,

Kristy O'Neal, M.A.

Senior Archaeologist
Direct: 1 (519) 681-2400

Mobile: 1 (226) 377-0037

kristy.oneal@woodplc.com
www.woodplc.com



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Howell, Cara

From: Howell, Cara
Sent: Tuesday, November 24, 2020 1:23 PM
To: Wayne Hill
Cc: Vespi, Lisa; Anema, Jade; O'Neal, Kristy
Subject: Nov.. 24th Update

Hi Wayne,

Just writing to give you an update on the Stage 1&2 fieldwork for the Niagara WWTP. Philip Henry meet with us onsite today at 9am. There were some concerns with the visibility and soil conditions onsite.

Three key issue were brought to my attention. One was the size of the soil lumps, the second the grass (visibility) and the third being our boots tracking mud. It was decided to leave the field and contact the Region project manager.

After a discussion with the PM, the field work has now been delayed to allow the field additional time weather. The Niagara region is expecting rain tomorrow, Thursday and next Monday the 30th. After the soil has had some time to dry out we will be back onsite to complete the pedestrian survey. Wood will contact you as soon as we have a date for the assessment.

If you have any questions or concerns please feel free to contact me.

Thanks,
Cara

[Cara Howell B.A.](#)

Member, Association of Professional Archaeologists (Ontario)

Senior Archaeologist, Environment & Infrastructure Solutions

3450 Harvester Road, Suite 100 Burlington, Ontario L7N 3W5

Direct: (905) 335 2353 x3017

Mobile: (905) 730 5735

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From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Fieldwork tomorrow _ December 8, 2020
Date: Thursday, January 27, 2022 1:28:41 PM
Attachments: [image001.png](#)

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Monday, December 7, 2020 4:15 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Fieldwork tomorrow _ December 8, 2020

Hi Lisa & Jade,

Just confirming the Wood crew, led by Cara, will be on site at 9:00am tomorrow morning complete the Stage 2 fieldwalk. All 3 First Nation groups have confirmed their participation for tomorrow as well.

Fingers crossed all goes well out there tomorrow!

Kristy

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: [Howell, Cara](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Monday, October 4, 2021 6:00:24 PM
Attachments: [image003.png](#)
[image001.png](#)

From: Howell, Cara
Sent: Thursday, September 2, 2021 3:49 PM
To: Todd Williams <williams.todde@gmail.com>
Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,
Cara

[Cara Howell B.A.](#)
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

wood.

From: Howell, Cara
Sent: Tuesday, August 31, 2021 9:37 AM
To: Todd Williams <williams.todde@gmail.com>; Wayne Hill <tworowarchaeology@gmail.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

I think there was some confusion last time with the address I gave.

Lisa has asked me to send the house address - 6811 Reixinger. That will take you right to the fields and the crew can park on the road.

Thanks,
Cara

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:21 AM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidyschopf@woodplc.com>

Subject: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Todd,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls. Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.



Please let me know if you have any questions or concerns.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

From: [Seguin, Jason](#)
To: [Wayne Hill](#)
Cc: [Howell, Cara](#); [Todd Williams](#)
Subject: RE: FW: SW Niagara WWTP- rescheduled field assessment
Date: Tuesday, July 20, 2021 2:15:00 PM

Good afternoon Wayne

We are going head back out to the study area this Friday the 23rd to attempt to complete the assessment.

9 am start time and I'll be the main contact again (905-818-1992). If the field conditions aren't workable I will be sure to remain onsite for the first hour so we all get a chance to meet in person.

Thank you,

Jason

From: Wayne Hill <tworowarchaeology@gmail.com>
Sent: July 20, 2021 9:57 AM
To: Seguin, Jason <jason.seguin@woodplc.com>
Cc: Howell, Cara <cara.howell@woodplc.com>; Todd Williams <williams.todde@gmail.com>; Slim, Barbara <barbara.slim@woodplc.com>
Subject: Re: FW: SW Niagara WWTP

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

No problem Jason. We were there at 9am as indicated in the email. I think you guys arrived earlier which isn't an issue anyways as it was saturated.

Thanks Wayne,

On Tue., Jul. 20, 2021, 9:33 a.m. Seguin, Jason, <jason.seguin@woodplc.com> wrote:

Hi Wayne

Sorry about that. Cara had sent out an email (see Attached) that had the updated meeting place and proper address. I didn't receive a confirmation email with a name and number of the field monitor or I would have called them directly. My apologies for the confusion. The client will get back to me once they have confirmed the field is in better condition and I'll let you know once we can reschedule.

Kind regards

Jason

From: Wayne Hill <tworowarchaeology@gmail.com>
Sent: July 20, 2021 8:41 AM
To: Seguin, Jason <jason.seguin@woodplc.com>
Cc: Howell, Cara <cara.howell@woodplc.com>; Todd Williams <williams.todde@gmail.com>
Subject: Re: FW: SW Niagara WWTP

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Good morning Jason,

Thanks for the update. Unfortunate once again. Kevin Bomberry was trying to find your location

this morning.

Wayne

On Tue., Jul. 20, 2021, 8:37 a.m. Seguin, Jason, <jason.seguin@woodplc.com> wrote:

Hi Wayne

We had to cancel the field assessment for this morning. The field was too wet from all of the rain over the weekend. I'll be in touch once we have rescheduled the field date.

Best regards

Jason

Sent from my Bell Samsung device over Canada's largest network.

From: Wayne Hill <tworowarchaeology@gmail.com>

Sent: Wednesday, July 14, 2021 5:18:49 PM

To: Howell, Cara <cara.howell@woodplc.com>

Cc: Todd Williams <williams.todde@gmail.com>; Seguin, Jason <jason.seguin@woodplc.com>

Subject: Re: FW: SW Niagara WWTP

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Great thanks Cara.

Wayne

On Wed., Jul. 14, 2021, 10:53 a.m. Howell, Cara, <cara.howell@woodplc.com> wrote:

Good Morning Todd,

On Thursday July 15th we will be continuing with the Stage 2 pedestrian survey for the South Niagara Falls Treatment Plant project. I have attached a study area map as a refresher. We will be walking the southeast field.

The Niagara Region Project manager will be onsite Wednesday morning to check the field conditions. Depending on the amount of rain the area receives we may delay until next Monday the 16th. I will send a confirmation email to you on Wednesday night to confirm field work.

Please find the site information below

Field Director: Jason Seguin

Cell Phone: 905-818-1992

Field Crew: Thomas Prince

Meeting Location and Time: 9am at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario

PPE Required: visi-vest, steel toed boots, safety gloves and safety glasses.

Please feel free to contact me if you have any questions or concerns.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

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From: "Howell, Cara" <cara.howell@woodplc.com>

To: Todd Williams <williams.todde@gmail.com>
Cc: Wayne Hill <tworowarchaeology@gmail.com>, "Seguin, Jason" <jason.seguin@woodplc.com>
Bcc:
Date: Wed, 14 Jul 2021 16:09:52 +0000
Subject: FW: SW Niagara WWTP
Hi Todd,
We have revised the meeting place to 6811 Reixinger Road.
Sorry for any inconvenience.
Thanks,
Cara

From: Howell, Cara
Sent: Wednesday, July 14, 2021 10:52 AM
To: Todd Williams <williams.todde@gmail.com>
Cc: Wayne Hill <tworowarchaeology@gmail.com>; Seguin, Jason <jason.seguin@woodplc.com>
Subject: FW: SW Niagara WWTP

Good Morning Todd,

On Thursday July 15th we will be continuing with the Stage 2 pedestrian survey for the South Niagara Falls Treatment Plant project. I have attached a study area map as a refresher. We will be walking the southeast field.

The Niagara Region Project manager will be onsite Wednesday morning to check the field conditions. Depending on the amount of rain the area receives we may delay until next Monday the 16th. I will send a confirmation email to you on Wednesday night to confirm field work.

Please find the site information below

Field Director: Jason Seguin

Cell Phone: 905-818-1992

Field Crew: Thomas Prince

Meeting Location and Time: 9am at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario

PPE Required: visi-vest, steel toed boots, safety gloves and safety glasses.

Please feel free to contact me if you have any questions or concerns.

Thanks,

Cara

Cara Howell B.A.

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com



From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#); williams.todde@gmail.com
Cc: tworowarchaeology@gmail.com; [Lane, Krista](#); [Vespi, Lisa](#); [Slim, Barbara](#); [Howell, Cara](#)
Subject: *IMPORTANT: START TIME CHANGED TO 9:30AM* - Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Wednesday, October 6, 2021 10:29:52 PM
Attachments: [image001.png](#)
[image002.png](#)
[image004.png](#)
[image005.png](#)
Importance: High

Good evening Mr. Williams,

I am very sorry for the late night email but I just received word from the client that the fieldwork at 6811 Reixinger Road will start at 9:30am tomorrow.

You have my apologies for this last minute notice.

Sincerely,

Heidy Schopf, MES, CAHP (she/her)

Built Heritage and Cultural Landscape Team Lead

Mobile: +1 (416) 518 0145

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The logo for Wood PLC, featuring the word "wood." in a bold, lowercase, sans-serif font. The period is a solid black dot.

From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>

Sent: Monday, October 4, 2021 6:35 PM

To: williams.todde@gmail.com

Cc: tworowarchaeology@gmail.com; [Lane, Krista <krista.lane@woodplc.com>](mailto:lane.krista@woodplc.com); [Vespi, Lisa <Lisa.Vespi@niagararegion.ca>](mailto:lisa.vespi@niagararegion.ca); [Slim, Barbara <barbara.slim@woodplc.com>](mailto:barbara.slim@woodplc.com); [Schopf, Heidi <heidyschopf@woodplc.com>](mailto:heidyschopf@woodplc.com); [Howell, Cara <cara.howell@woodplc.com>](mailto:cara.howell@woodplc.com)

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Evening Mr. Williams,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 6811 Reixinger Rd in Niagara Falls as part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (October 7th).

Please find below the site information and contact details:

Field Director: Krista Lane (krista.lane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: Lauren Zapishny

Meeting Location and Time: 7:30am (see map for parking and survey locations [orange area around the farmhouse and orange area along Welland River shoreline])

PPE Required: Visi-vest and steel toed safety boots



Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com

wood.

From: Howell, Cara
Sent: Thursday, September 2, 2021 3:49 PM
To: Todd Williams <williams.todde@gmail.com>
Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

The logo for Wood PLC, featuring the word "wood." in a bold, lowercase, sans-serif font. The period is a solid black dot.

From: Howell, Cara
Sent: Tuesday, August 31, 2021 9:37 AM
To: Todd Williams <williams.todde@gmail.com>; Wayne Hill <tworowarchaeology@gmail.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

I think there was some confusion last time with the address I gave.

Lisa has asked me to send the house address - 6811 Reixinger. That will take you right to the fields and the crew can park on the road.

Thanks,
Cara

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:21 AM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>

Subject: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Todd,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls. Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.



Please let me know if you have any questions or concerns.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

**NOTICE OF PUBLIC INFORMATION CENTRE #4
SOUTH NIAGARA FALLS
WASTEWATER SOLUTIONS
MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT**

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

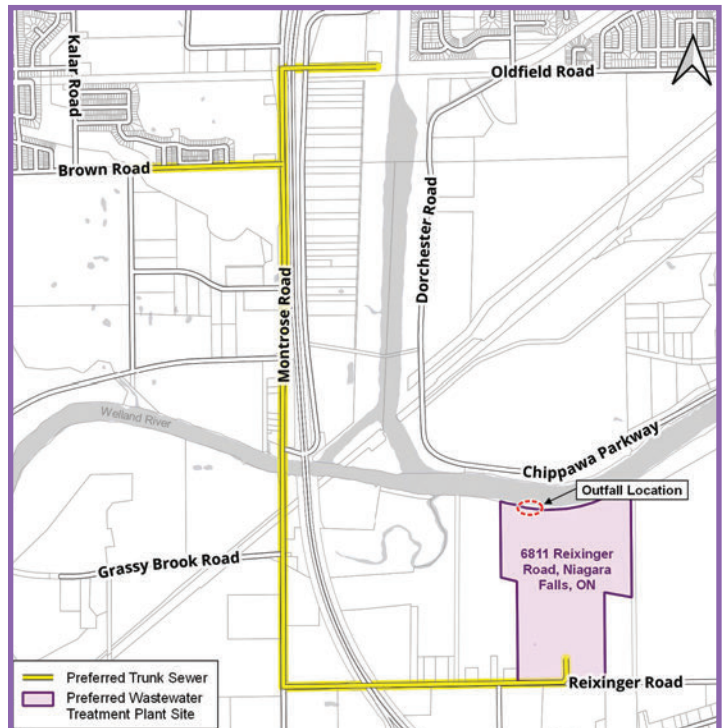
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.
niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

If you require any accommodations to participate, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act. The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

Six Nations of the Grand River

April 10, 2019

Six Nations of the Grand River
2498 Chiefswood Road, P.O. Box 5000
Ohsweken, Ontario N0A 1M0

**RE: Notice of Study Commencement
South Niagara Wastewater Solutions Schedule 'C' Class Environmental
Assessment**

Dear Lonny Bomberry:

Please find attached the Notice of Study Commencement for the South Niagara Wastewater Solutions Schedule 'C' Class Environmental Assessment (EA). This Class EA will select a location for a new South Niagara wastewater treatment plant and plan improvements to upgrade the sewer system to support growth and protect the environment.

Siting the location for a new wastewater treatment plant in South Niagara Falls will mean balancing different priorities and making tough decisions for our community. There are many factors to consider and the purpose of the EA is to evaluate all of these factors in order to make an informed decision.

The Region will ensure that key stakeholders and the public have a voice at each step along the way to help the study select a site for the new plant and a plan for upgrades to the sewer system that works for the community.

We look forward to your involvement through this Class EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng.

Project Manager
Niagara Region
1815 Sir Isaac Brock Way, P.O. Box 1042
Thorold, Ontario L2V 4T7
Phone: 905.980.6000 ext. 3640
Email: newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Project Manager
GM BluePlan Engineering
3300 Highway No. 7, Suite 402
Vaughan, Ontario L4K 4M3
Phone: 416.577.2500
Email: chris.hamel@gmblueplan.ca

Enclosed: Notice of Study Commencement

May 9, 2019

Six Nations of the Grand River
2498 Chiefswood Road, P.O. Box 5000
Ohsweken, Ontario N0A 1M0

Dear Lonny Bomberry:

**RE: Notice of Public Information Centre No.1 for South Niagara Falls
Wastewater Solutions Schedule 'C' Class Environmental Assessment**

Please find attached the Notice of Public Information Centre No.1, which was first published in local newspaper *Niagara This Week* on May 9, 2019.

Public Information Centre No.1 will be held:

Date / Time:	Tuesday May 28, 2019 – 5:00 to 8:00 p.m.
Location:	Boys & Girls Club of Niagara 8800 McLeod Road, Niagara Falls, ON, L2H 0Y8

Niagara Region is undertaking this Municipal Class Environmental Assessment (EA) in the South Niagara area which includes the addition of a new wastewater treatment plant and the pipework to connect to the existing system.

If you would like more information or would like to be removed from the study's contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416.577.2500
chris.hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No.1

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Tuesday, November 12, 2019 1:13 PM
To: 'lonnybomberry@sixnations.ca'
Cc: 'new.treatment.plant@niagararegion.ca'
Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions
Attachments: 2019-11-07-Six-Nations-SNFWWTP-EA.Ltr.pdf; 3965 South Niagara Falls Wastewater Solutions Mailout PIC2.pdf

Hello Mr. Bomberry,

Please find attached the Notice of Public Information Centre No. 2 and Notification letter for South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Project baseline reports have been uploaded for your information at the following link:

[https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS - Baseline Reports \(Indigenous Review\).zip](https://sendafile.gmblueplan.ca/uploads/11-07-19_113817_SNFWWS_-_Baseline_Reports_(Indigenous_Review).zip)

Please respond to confirm when data has been successfully downloaded. This link is set to expire on November 28, 2019. If this date has exceeded, and you can no longer access the data, please let me know and I will provide an updated link.

Regards,

Danielle MacKinnon, B. Eng., E.I.T.

Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

t: 416.703.0667 ext. 7214

danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



November 7, 2019

Mr. Lonny Bomberry
Director
Six Nations of the Grand River Territory
Land and Resources
1695 Chiefswood Road, P.O. Box 5000
Ohsweken, ON N0A 1M0

Dear Mr. Bomberry:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
City of Niagara Falls
Our File: O.01.04 99 20000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. This PIC will present the long list of potential wastewater treatment plant sites and offer the opportunity to comment and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date / Time: Wednesday, November 20, 2019 – 5 to 7 p.m.
Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3 – 4 p.m.

In addition to the Notice, the Niagara Region Project Team is sharing key study area baseline reports with indigenous stakeholders to enable an early review and feedback opportunity.

Please find attached the following documents:

- Notice of Public Information Centre No. 2
- Cultural Heritage Screening Report (DRAFT)
- Stage I Archaeological Assessment (DRAFT)
- Desktop Assessment of Natural Environmental Constraints (DRAFT)

Should you have any questions or wish to provide comment on the attached documents, please contact one of the Project Managers listed below.

We look forward to your continued involvement through this EA process.

Sincerely,



Ms. Lisa Vespi, P.Eng., PMP®
Senior Project Manager
Water and Wastewater Engineering
Water and Wastewater Services
905-980-6000, ext. 3640
new.treatment.plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416-577-2500
chris.hamel@gmblueplan.ca

LV/at

(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls WWTP\Project Management\Correspondence\Letters\2019\2019_11_06_Indigenous-Group.SNFWWTP-EA.Ltr.docx)

Attach.

cc: Chris Hamel, GM BluePlan Project Manager

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
 Project Manager, Niagara Region
 905.980.6000 ext. 3640
 New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
 Project Manager, GM BluePlan Engineering
 416.703.0667
 Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3



Danielle MacKinnon - GM BluePlan

From: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>
Sent: Thursday, July 09, 2020 11:43 AM
To: jthomas@sixnations.ca
Cc: New Treatment Plant; Vespi, Lisa
Subject: South Niagara Falls Wastewater Solutions-Phase 3 Notice

Good Morning,

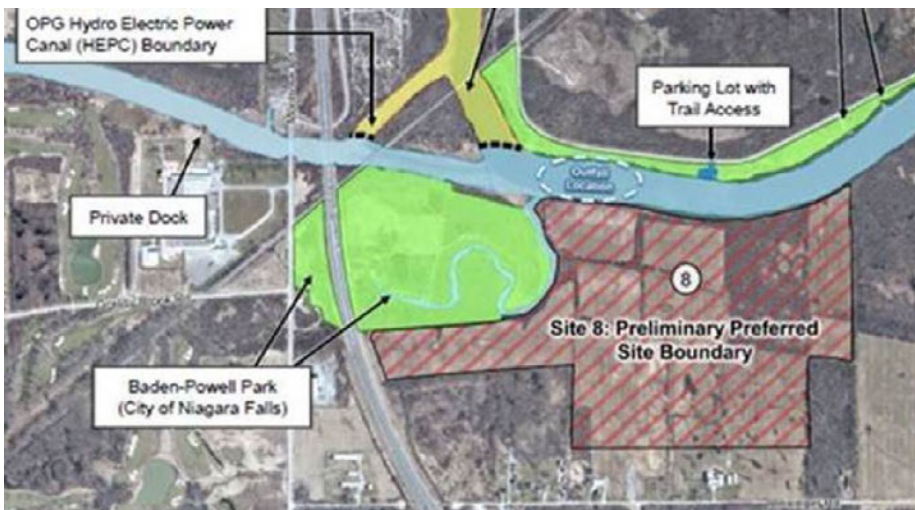
I am writing to inform you that Niagara Region has completed the Phase 2 Environmental Assessment for the South Niagara Falls Wastewater Treatment Plant project and has selected a preliminary preferred site at 6811 Reixinger Road and 7047 Reixinger Road in Niagara Falls. The potential site boundaries are outlined in the photo below for reference. Niagara Region is now moving into Phase 3 which includes the Archaeology (Stage 1 and 2 for the time being) and Cultural Heritage Impact Assessments.

As we move forward to this next step, our consultants will be in contact to ensure you are informed and have a point of contact should you have any questions, concerns or wish to be engaged.

For any additional information the Public Information Centre display boards and updates can be found on the project website: <https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>. Please do not hesitate to reach out.

Kind Regards,

Stephanie McGill





September 16, 2020

Project No. OCUL2001

Attention: Ms. Tanya Hill-Montour, Archaeology Coordinator, Six Nations of the Grand River First Nation (SNGRFN).

RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls, Regional Municipality of Niagara, Ontario

Dear Ms. Hill-Montour,

Niagara Region has retained Wood Environment & Infrastructure Solutions ("Wood") to complete a Stage 1 & 2 archaeological assessment for a Schedule "C" Municipal Class Environmental Assessment ("EA") for the proposed South Niagara Falls Wastewater Treatment Plant ("WWTP") site and associated sewer alignments. In keeping with Niagara Region's ongoing Indigenous engagement process, this letter shares information regarding the South Niagara Falls WWTP, which is located at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario.

The fieldwork is scheduled to begin on September 30, 2020, for this project; however, the exact date of fieldwork will not be known until any underground utility locates and any necessary ploughing have been completed and all ploughed areas have been allowed to weather sufficiently. Consequently, if you would wish to join us during the Stage 2 fieldwork, we will follow up this letter with an email providing the start date, meeting location, etc. Please be advised that any field personnel will have to be outfitted in proper PPE, including visi-vest, steel toed boots, safety gloves and safety glasses.

STAGE 1 & 2 ARCHAEOLOGICAL ASSESSMENT SCOPE OF WORK

The Stage 1 & 2 archaeological assessment will be conducted in accordance with the Ministry of Heritage, Sport, Tourism and Culture Industries' ("MHSTCI") *Standards and Guidelines for Consultant Archaeologists, 2011*, and with the *Ontario Heritage Act, R.S.O. 1990, c.O.18*.

The scope of work for the Stage 1 components will consist of the following tasks:

- In keeping with Niagara Region's ongoing engagement with relevant First Nations, prepare a property-specific information sharing letter to explain the scope of work;
- Contact the MHSTCI to determine a comprehensive listing of all recorded archaeological sites within one kilometre of the study area;
- Contact the MHSTCI to determine a comprehensive listing of all previous archaeological assessments that have been conducted within a 50-metre radius of the study area and review each previous assessment;

- Conduct a desktop review of the study area's physical setting to determine its potential for both historic and pre-contact human occupation, including its hydrology, topology, soils, vegetation, and proximity to historically important resources and early transportation routes and settlements;
- Conduct a specific review of the potential for historic occupation as documented in early mapping and other archival sources;
- Carry out a review of recent land-use practices that may have impacted or removed archaeological potential;
- Review any available geotechnical or environmental boreholes to understand the stratigraphy of the study area; and,
- Formulate appropriate field testing strategies for areas of ostensibly intact archaeological potential.

The scope of work for the Stage 2 components will consist of the following tasks:

- Facilitate public and/or private underground utility locates prior to the completion of any invasive testing and take due care during the performance of fieldwork;
- Assess freshly ploughed and weathered agricultural fields by means of pedestrian survey (see description below) at five-metre intervals;
- Assess areas where ploughing is not viable by means of hand-shovel test-pit survey (see description below) at five-metre intervals;
- Complete all necessary mapping, field photography and other relevant graphics;
- Process and analyze recovered artifacts; and,
- Prepare separate Stage 1 & Stage 2 reports of findings with recommendations regarding whether any further archaeological assessment is required. Archaeological sites discovered during the Stage 2 assessment may be recommended for Stage 3 site-specific assessment.

Description of a Pedestrian Survey

Pedestrian surveys are conducted on cultivated fields with surface visibility of at least 80%. Archaeologists walk these fields at five-metre transects, flagging any surface artifacts. If archaeological resources of cultural heritage value or interest are found, their exact locations are plotted by GPS. Culturally or temporally diagnostic artifacts are recovered, processed, analyzed and catalogued.

Prior to pedestrian survey, fields must have been ploughed (and disked if heavy clay) and allowed to weather through one heavy, or several light rainfalls. Mouldboard ploughing and disk harrowing are the only acceptable cultivation techniques. "No till", "chisel plough", or "soil saver" cultivation techniques cannot be used to prepare lands for survey. Pedestrian surveys cannot be conducted if ground surface visibility is reduced to below 80% by such conditions such as snow, crop, weed or debris cover.

Definition of a Test Pit Survey

Test pit surveys involve the hand digging of test pits (approximately 30 centimetres in diameter), through the A Horizon (topsoil) and five centimetres into the B Horizon (subsoil) at five-metre intervals. Excavated soils are screened for artifacts through six-millimetre aperture mesh and the

walls of each test pit are examined for cultural soil horizons. All artifact-bearing (“positive”) test pits are flagged and plotted by GPS.

The pattern and intensity of test-pit placement may be altered due to changes in archaeological potential in different parts of a study area and/or the presence of disturbed soils. Any areas of ‘disturbance’ are evaluated and photo-documented. If archaeological resources of cultural heritage value or interest are encountered, they are recovered for processing, analysis and cataloguing by test-pit number. In the case of an isolated “positive” test pit, *MTCS Standards* require the excavation of eight additional test pits at a two-metre radius around the isolated “positive” test pit as well as the excavation of a one-metre test unit directly over the isolated “positive” test pit. All test pits and test units are backfilled, and any sod caps are replaced and tamped down by foot.

BRIEF BIOGRAPHIES OF KEY PERSONNEL

Heidy Schopf, MES, CAHP, Cultural Heritage Team Lead and Senior Cultural Heritage Specialist – Role: Project Manager

Ms. Schopf is a Senior Cultural Heritage Specialist at Wood and has worked in the field of Cultural Resource Management since 2007. She is a **Professional Member of the Canadian Association of Heritage Professionals (CAHP)** and is currently a Candidate Member of the Ontario Professional Planners Institute (OPPI). She has worked on a wide variety of projects throughout Ontario, including cultural heritage resources assessments, heritage impact assessments, heritage documentation reports (photographic and 3D/LiDAR), cultural heritage evaluations, strategic conservation plans, HCD studies and plans, heritage feasibility studies, and Archaeological Assessments. Ms. Schopf has extensive experience applying local, Provincial, and Federal heritage guidelines and regulations to evaluate protected and potential cultural heritage properties. She is skilled at carrying out impact assessments and developing mitigation measures to conserve the heritage attributes of properties where changes are proposed. Ms. Schopf has completed hundreds of cultural heritage projects under a variety of processes, including: Environmental Assessment Act, Planning Act, Ontario Heritage Act, Transit Project Assessment Process, Renewable Energy Approval, and Ontario Energy Board.

Peter Popkin, Ph.D., CAHP, MCIfA, Associate Archaeologist – Role: Senior Project Reviewer

Dr. Popkin is an Associate Archaeologist at Wood. Peter has over 20 years of professional experience in both consulting and academic archaeology within Canada and internationally. In Ontario he has successfully undertaken consultant archaeology projects triggered by: the Planning Act (subdivisions, site plans, re-zoning, official plan amendments, consent), the Environmental Assessment Act (individual and Class EAs, provincial and federal EAs), the Environmental Protection Act (Renewable Energy Approvals O.Reg 359/09), as well as the Aggregates Resources Act (aggregate pit extensions), and has managed projects under the National Energy Board Act (now the Canadian Energy Regulator Act). Dr. Popkin has lectured in archaeology at York University, the University of Toronto, and Wilfrid Laurier University in Ontario, as well as University College London, King’s College London, and Birkbeck College, in the UK. Dr. Popkin holds a **Professional Archaeological Licence (P362)** from the MHSTCI, is a Professional Member of the Canadian Association of Heritage Professionals (CAHP) and is a full Member of the Chartered

Institute for Archaeologists (MCIa). Dr. Popkin received his Ph.D. from the Institute of Archaeology, University College London, London, UK (2009).

Barbara Slim, M.A., Senior Archaeologist, Archaeology Discipline Lead – Role: Project Licensee

Ms. Slim is a professionally licensed archaeologist with over 15 years of experience in the archaeology and environmental consulting industry. Ms. Slim serves as Ontario's Archaeology Discipline Lead. She has conducted all aspects of Stage 1 to 4 Archaeological Assessments, with a strong emphasis on transportation / corridor, infrastructure / road improvement and Environmental Assessment (EA) related work. As a founding member of the Wood Ontario archaeology team, Ms. Slim has performed every aspect of project execution, from client relations, project design to MHSTCI clearance. Through her project experience, Ms. Slim has gained an in-depth understanding of the Heritage Act and legislations & standards associated with cultural heritage management. Ms. Slim holds a Master's Degree in Anthropology from Trent University and an Honours Bachelor's Degree in Environmental Studies and Anthropology from Trent University. Ms. Slim currently holds a **Professional Archaeology Licence (P348)** issued by the MHSTCI, is **MTO RAQs certified in Archaeology/Heritage** and is a member of the Ontario Association of Professional Archaeologists.

Kristy O'Neal, M.A., Senior Archaeologist – Role: Report Writer/Researcher

Ms. O'Neal is a Senior Archaeologist at Wood with over 23 years of archaeology consulting experience in Ontario. Ms. O'Neal has supervised a wide variety of Stage 1 through 4 archaeological assessments throughout Ontario, with a focus on both pre-contact and Euro-Canadian settlements. Pre-Contact projects have involved First Nations consultation. Ms. O'Neal has a strong background in cultural material analysis and has extensive experience with large complex stratified Indigenous sites situated within often compromised urban context. She holds a Master's Degree in Bioarchaeology and a Bachelor of Arts Degree in Anthropology from the University of Western Ontario, where she received a Gold Medal Award. Ms. O'Neal's areas of interest and expertise include the archaeological prehistory and history of southwestern Ontario, with focus on the Middle Woodland period and changes to Indigenous weapons technology. Ms. O'Neal holds a **Professional Archaeology Licence (P066)** issued by the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries, and is a member of the Ontario Archaeological Society.

Cara Howell B.A., Senior Archaeologist – Role: Field Director

Ms. Howell holds a B.A. degree in Anthropology and Classical Archaeology from McMaster University and has been working in the field of archaeological consulting since 1999. She holds an **Applied Research Licence (R180)** in archaeology from the MHSTCI and possesses a full range of archaeological skills. As a result of her specialized interest in the historic Euro-Canadian period, she has become an authority on early Euro-Canadian artifacts and historic period background research. As the archaeology Laboratory Director for Wood's Cultural Heritage Resources Group, she developed and implements a computerized cataloguing system for artifacts and other resources. Ms. Howell also serves as lead liaison with Indigenous communities.

We have provided this information sharing letter to demonstrate that we take your interests in the project area very seriously. If you have any questions or concerns, please do not hesitate to contact me at kristy.oneal@woodplc.com.

Regards,

**Wood Environment & Infrastructure Solutions,
A Division of Wood Canada Limited**



Kristy O'Neal, M.A.
Senior Archaeologist
kristy.oneal@woodplc.com



Barbara Slim, M.A.
Associate Archaeologist
barbara.slim@woodplc.com

Danielle MacKinnon - GM BluePlan

Subject: RE: FIELDWORK CANCELLATION Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls :FIELDWORK CANCELLATION

From: O'Neal, Kristy
Sent: Tuesday, November 17, 2020 1:25 PM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Subject: RE: FIELDWORK CANCELLATION Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls :FIELDWORK CANCELLATION

Hi Tanya,

We have just been in contact with Niagara Region regarding tomorrow's scheduled fieldwork, and field conditions do not currently meet MHSTCI requirements. Therefore, we wanted to let you know that tomorrow's fieldwork has been cancelled. We are going to allow the field to weather further this week and will email you again next week to reschedule fieldwork. Apologies for any inconvenience this has caused.

Thank you,
Kristy

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Tuesday, November 17, 2020 10:02 AM
To: O'Neal, Kristy <kristy.oneal@woodplc.com>
Cc: Howell, Cara <cara.howell@woodplc.com>
Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Morning Kristy,

Acknowledging that I have received the details pertaining to the Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls.

Kind Regards,
Tanya Hill-Montour BA (Hons)
Archaeology Supervisor
Six Nations Lands & Resources
(519) 753-0665

From: O'Neal, Kristy [<mailto:kristy.oneal@woodplc.com>]
Sent: November 17, 2020 9:18 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Dawn LaForme <dlaforme@sixnations.ca>; Howell, Cara <cara.howell@woodplc.com>
Subject: FW: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Hi Tanya & Dawn,

Following up on my email from Friday, here are the additional details regarding the meeting time & location:

We will be arriving on site at 9:00am.

Can you please inform the monitor that they should park at the intersection of Reixinger Road and Dell Road, Niagara Falls. It is near the Dell Cemetery, as shown on the attached map.

The contact/field director is Cara Howell (905) 730-5735.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

From: O'Neal, Kristy
Sent: Friday, November 13, 2020 5:37 PM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Dawn LaForme <dlaforme@sixnations.ca>; Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>
Subject: RE: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

Good afternoon Tanya,

Following up on the South Niagara Wastewater Treatment project in Niagara Falls, we would like to let you know that the field for the pedestrian survey has now been ploughed and weathered and we would like to schedule fieldwork for next Wednesday. Can you confirm if you will have a monitor available?

Further information on the project is provided below:

Start Date: Wednesday November 18, 2020 (Thursday November 19 is planned alternate date in case of inclement weather)

Start Time: TBD (Cara/Kristy will confirm meeting time early next week)

Consultant Company: Wood

Field Director and Cell #: Cara Howell, Senior Archaeologist (905) 730-5735

Stage: Stage 1 & 2AA (Pedestrian Survey)

Required PPE: Visi-vest, hard-hat, safety glasses, safety boots, safety gloves, face mask (to be used when social distancing is not possible)

Meeting Location: 7047 Reixinger Road, Niagara Falls. (Cara/Kristy will confirm meeting location & parking arrangements early next week.)

Size of Field Crew: 3

Attachments: 2

- El Fitness for Duty for any Monitors or visitors prior to commencement of project
- Wood's Daily Declaration Form (to be signed daily via use of cellphone- word document attached for reference)

Wood is aware that the COVID-19 pandemic presents a challenge to everyone as we attempt to continue to perform work while practicing physical distancing. Please ensure that any monitor attending the site is aware of the following practices that we are following on our work sites:

- All employees and visitors to site must review the Fitness for Duty Medical Pre-Screening Form and provide their signature / confirmation on the Declaration Form Covid-19 (both attached);

- Wood will limit the size of their field crew;
- Face masks to be worn if working within 2 m;
- Distancing of workers and workers working separately with their own equipment.

Please let us know of any questions you may have.

We look forward to working with you on this project and will be in touch early next week to confirm details.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

The logo for Wood, featuring the word "wood." in a bold, lowercase, sans-serif font.

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Sunday, September 20, 2020 11:13 AM
To: O'Neal, Kristy <kristy.oneal@woodplc.com>
Cc: Dawn LaForme <dlaforme@sixnations.ca>; Schopf, Heidi <heidy.schopf@woodplc.com>
Subject: Re: Stage 1 & 2 Assessment, South Niagara Wastewater Treatment Plant, Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Morning Kristy,

Acknowledging that I have received this email and looking forward to future fieldwork.

Tanya j. Hill-Montour B.A Hons.
Six Nations Archaeology coordinator
226.388.0665

On Sep 18, 2020, at 4:30 PM, O'Neal, Kristy <kristy.oneal@woodplc.com> wrote:

Good afternoon, Tanya & Dawn

Please see the attached information sharing letter with details regarding Wood's upcoming Stage 1 and 2 archaeological assessment for the South Niagara Wastewater Treatment Plant in Niagara Falls. We will follow up with an additional email once fieldwork dates have been confirmed.

Thank you,

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

<image001.png>

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<OCUL2001 St 2 SW Niagara WWTP Information Sharing Letter - SNGRFN - 18_September_2020.pdf>

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Howell, Cara

From: Howell, Cara
Sent: Tuesday, November 24, 2020 1:26 PM
To: tanyahill-montour@sixnations.ca
Cc: Dawn Laforme; Vespi, Lisa; O'Neal, Kristy; Anema, Jade
Subject: Nov. 24th Update

Hi Tanya,

Just writing to give you an update on the Stage 1&2 fieldwork for the Niagara WWTP. Ryan Nanticoke meet with us onsite today at 9am. There were some concerns with the visibility and soil conditions onsite. Three key issue were brought to my attention. One was the size of the soil lumps, the second the grass (visibility) and the third being our boots tracking mud. It was decided to leave the field and contact the Region project manager. After a discussion with the PM, the field work has now been delayed to allow the field additional time weather. The Niagara region is expecting rain tomorrow, Thursday and next Monday the 30th. After the soil has had some time to dry out we will be back onsite to complete the pedestrian survey. Wood will contact you as soon as we have a date for the assessment.

If you have any questions or concerns please feel free to contact me.

Thanks,
Cara

Cara Howell B.A.
Member, Association of Professional Archaeologists (Ontario)
Senior Archaeologist, Environment & Infrastructure Solutions
3450 Harvester Road, Suite 100 Burlington, Ontario L7N 3W5
Direct: (905) 335 2353 x3017
Mobile: (905) 730 5735
www.woodplc.com

wood.



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From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Fieldwork tomorrow _ December 8, 2020
Date: Thursday, January 27, 2022 1:28:41 PM
Attachments: [image001.png](#)

From: O'Neal, Kristy <kristy.oneal@woodplc.com>
Sent: Monday, December 7, 2020 4:15 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Fieldwork tomorrow _ December 8, 2020

Hi Lisa & Jade,

Just confirming the Wood crew, led by Cara, will be on site at 9:00am tomorrow morning complete the Stage 2 fieldwalk. All 3 First Nation groups have confirmed their participation for tomorrow as well.

Fingers crossed all goes well out there tomorrow!

Kristy

Kristy O'Neal, M.A.
Senior Archaeologist
Direct: 1 (519) 681-2400
Mobile: 1 (226) 377-0037
kristy.oneal@woodplc.com
www.woodplc.com

wood.

From: [Howell, Cara](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Monday, October 4, 2021 6:00:48 PM
Attachments: [image001.png](#)

From: Howell, Cara
Sent: Thursday, September 2, 2021 3:49 PM
To: 'Tanya Hill-Montour' <tanyahill-montour@sixnations.ca>
Cc: Lane, Krista <krista.lane@woodplc.com>
Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Tanya,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,
Cara

[Cara Howell B.A.](#)
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com

wood.

From: Howell, Cara
Sent: Tuesday, August 31, 2021 9:33 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Tanya,

Lisa asked me to send you this address - 6811 Reixinger. This is the farmers house address. May be easier to GPS.

Thanks,
Cara

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Tuesday, August 31, 2021 9:30 AM
To: Howell, Cara <cara.howell@woodplc.com>
Cc: Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Schopf, Heidy <heidy.schopf@woodplc.com>; Lane, Krista <krista.lane@woodplc.com>
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good morning Cara,

Thank you for the details regarding Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
t.519.754.0665
e. tanyahill-montour@sixnations.ca

On Aug 31, 2021, at 9:16 AM, Howell, Cara <cara.howell@woodplc.com> wrote:

Good Morning Tanya,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls.

Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.

<image001.png>

Please let me know if you have any questions or concerns.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com

<image002.png>

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From: [Seguin, Jason](#)
To: [Tanya Hill-Montour](#); [Howell, Cara](#)
Subject: RE: SW Niagara WWTP
Date: Tuesday, July 20, 2021 2:21:00 PM

Hi Tanya

We are going head back out to the study area this Friday the 23rd to attempt to complete the assessment. Hopefully things will dry-up over the next few days. It will be 9 am start time and I'll be the main contact again (905-818-1992). My apologies for all the back and forth on this one again.

Thank you,
Jason

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: July 20, 2021 8:38 AM
To: Seguin, Jason <jason.seguin@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: RE: SW Niagara WWTP
CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good Morning Jason

Thank you for the update, there was a lot of rain came on weekend.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.

Six Nations of the Grand River - Archaeology Supervisor.

c.226.388.0665

t.519.754.0665

e. tanyahill-montour@sixnations.ca

From: Seguin, Jason [<mailto:jason.seguin@woodplc.com>]
Sent: July 20, 2021 8:36 AM
To: Howell, Cara <cara.howell@woodplc.com>; Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Subject: Re: SW Niagara WWTP

Hi Tanya

We had to cancel the field assessment this morning. The field is still too wet from the rain over the weekend. I'll be intouch once we have a date to reschedule.

Kind regards

Jason

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Wednesday, July 14, 2021, 5:12 p.m.
To: Howell, Cara
Cc: Seguin, Jason
Subject: Re: SW Niagara WWTP

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Acknowledging that i have received this email

Kind Regards,
Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
t.519.754.0665
e. tanyahill-montour@sixnations.ca

On Jul 14, 2021, at 1:07 PM, Howell, Cara <cara.howell@woodplc.com> wrote:

Hi Tanya,

Sorry for the multiple emails today. The Niagara PM just contacted me and said the fields are too wet to walk at the moment.
We are going to reschedule to Tuesday July 20th, 2021.
Same meeting time and place.

Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com<<http://www.woodplc.com>>
[<cid:image001.png@01D7789D.FF84C990>]

From: Howell, Cara
Sent: Wednesday, July 14, 2021 12:09 PM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Seguin, Jason <jason.seguin@woodplc.com>
Subject: FW: SW Niagara WWTP

Hi Tanya,

We have revised the meeting place to 6811 Reixinger Road.
Sorry for any inconvenience.

Thanks you,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com<<http://www.woodplc.com>>
[<cid:image001.png@01D7789D.FF84C990>]

From: Howell, Cara
Sent: Wednesday, July 14, 2021 10:53 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca<<mailto:tanyahill-montour@sixnations.ca>>>
Subject: SW Niagara WWTP

Good Morning Tanya,

On Thursday July 15th we will be continuing with the Stage 2 pedestrian survey for the South Niagara Falls Treatment Plant project. I have attached a study area map as a refresher. We will be walking the southeast field. The Niagara Region Project manager will be onsite Wednesday morning to check the field conditions. Depending on the amount of rain the area receives we may delay until next Monday the 16th. I will send a confirmation email to you on Wednesday night to confirm field work. Please find the site information below

Field Director: Jason Seguin
Cell Phone: 905-818-1992
Field Crew: Thomas Prince
Meeting Location and Time: 9am at 7047 Reixinger Road, in the City of Niagara Falls, Regional Municipality of Niagara, Ontario
PPE Required: visi-vest, steel toed boots, safety gloves and safety glasses.

Please feel free to contact me if you have any questions or concerns.
Thanks,
Cara

Cara Howell B.A.
Senior Archaeologist / Lab Supervisor
Mobile: +1 (905) 730-5735
www.woodplc.com<<http://www.woodplc.com>>
[[cid:image001.png@01D7789D.FF84C990](#)]

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From: [Tanya Hill-Montour](#)
To: [Schopf, Heidi](#)
Cc: [Dickinson, Chelsea](#); [Lane, Krista](#); [Vespi, Lisa](#); [Slim, Barbara](#); [Howell, Cara](#)
Subject: Re: *START TIME CHANGED TO 9:30AM* - Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Thursday, October 7, 2021 5:54:53 AM
Attachments: [image001.png](#)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Good morning

Thanks you

Kind Regards,

Tanya j. Hill-Montour Hons. BA
SNGREC Archaeology Supervisor
c.226.388.0665
e. tanyahill-montour@sixnations.ca

On Oct 6, 2021, at 10:20 PM, Schopf, Heidi <heidy.schopf@woodplc.com> wrote:

Good evening Tanya,

I am very sorry for the late night email but I just received word from the client that the fieldwork at 6811 Reixinger Road will start at 9:30am tomorrow.

You have my apologies for this last minute notice.

Sincerely,

Heidy Schopf, MES, CAHP (she/her)

Built Heritage and Cultural Landscape Team Lead

Mobile: +1 (416) 518 0145

www.woodplc.com

<image001.png>

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Monday, October 4, 2021 7:51 PM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>

Cc: Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidy <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

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Thank you noted scheduling

Kind Regards,

Tanya j. Hill-Montour Hons. BA
SNGREC Archaeology Supervisor
c.226.388.0665
e. tanyahill-montour@sixnations.ca

On Oct 4, 2021, at 6:34 PM, Dickinson, Chelsea <chelsea.dickinson@woodplc.com> wrote:

Good Evening Ms. Hill,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 6811 Reixinger Rd in Niagara Falls as part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (October 7th).

Please find below the site information and contact details:

Field Director: Krista Lane (krista.lane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: Lauren Zapishny

Meeting Location and Time: 7:30am (see map for parking and survey locations [orange area around the farmhouse and orange area along Welland River shoreline])

PPE Required: Visi-vest and steel toed safety boots

<image002.png>

Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com

<image003.png>

From: Howell, Cara

Sent: Thursday, September 2, 2021 3:49 PM

To: 'Tanya Hill-Montour' <tanyahill-montour@sixnations.ca>

Cc: Lane, Krista <krista.lane@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls
Wastewater Treatment Plant, City of Niagara Falls

Hi Tanya,

Unfortunately the field is not ready for the pedestrian survey. We are
delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,

Cara

Cara Howell B.A.

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com

<image001.png>

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:33 AM

To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>

Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Tanya,

Lisa asked me to send you this address - 6811 Reixinger. This is the farmers house address. May be easier to GPS.

Thanks,
Cara

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>

Sent: Tuesday, August 31, 2021 9:30 AM

To: Howell, Cara <cara.howell@woodplc.com>

Cc: Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Schopf, Heidi <heidyschopf@woodplc.com>; Lane, Krista <krista.lane@woodplc.com>

Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

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Good morning Cara,

Thank you for the details regarding Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.

Six Nations of the Grand River - Archaeology Supervisor.

c.226.388.0665

t.519.754.0665

e. tanyahill-montour@sixnations.ca

On Aug 31, 2021, at 9:16 AM, Howell, Cara <cara.howell@woodplc.com> wrote:

Good Morning Tanya,

Two additional fields require pedestrian survey at the 7047 Reixinger Road property in Niagara Falls.

Field dates are set for Sept 7th and possibly Sept 8th, 2021.

Please find the site information below

Field Director: Krista Lane (kristalane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: TBD

Meeting Location and Time: 7:30am at 7047 Reixinger Road, in the City of Niagara Falls (see map for parking location)

PPE Required: visi-vest and steel toed safety boots.

<image001.png>

Please let me know if you have any questions or concerns.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com

<image002.png>

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From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#); williams.todde@gmail.com
Cc: tworowarchaeology@gmail.com; [Vespi, Lisa](#); [Slim, Barbara](#); [Howell, Cara](#)
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls
Date: Thursday, November 11, 2021 4:23:32 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Hello,

A quick update to let you know that we will be on site again tomorrow to finish up the test pitting. We will be onsite at 9am (701 Allanburg Rd).

-Heidy

Get [Outlook for iOS](#)

From: Schopf, Heidi <heidy.schopf@woodplc.com>
Sent: Thursday, November 11, 2021 9:37:29 AM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>; williams.todde@gmail.com
<williams.todde@gmail.com>
Cc: tworowarchaeology@gmail.com <tworowarchaeology@gmail.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: Re: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good morning,

A quick note to say that we are running about an hour behind schedule. We should be ready to start test pitting at 10:30.

Parking on Allanburg Road is not permitted so I am parked at the rear of the fire station (beside the area we will be test pitting).

-Heidy

Get [Outlook for iOS](#)

From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Sent: Wednesday, November 10, 2021 1:15:45 PM
To: williams.todde@gmail.com <williams.todde@gmail.com>
Cc: tworowarchaeology@gmail.com <tworowarchaeology@gmail.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>
Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning,

I am just following up on the below email to confirm that the fieldwork for tomorrow is a go.

If you have any questions or concerns please let me know.

-Chelsea

From: Dickinson, Chelsea

Sent: Monday, November 8, 2021 3:29 PM

To: williams.todde@gmail.com

Cc: tworowarchaeology@gmail.com; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidy <heidy.schopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>

Subject: RE: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Mr. Williams,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 701 Allanburg Road in Thorold as part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (November 11th).

Please find below the site information and contact details:

Field Director: Myself (chelsea.dickinson@woodplc.com)

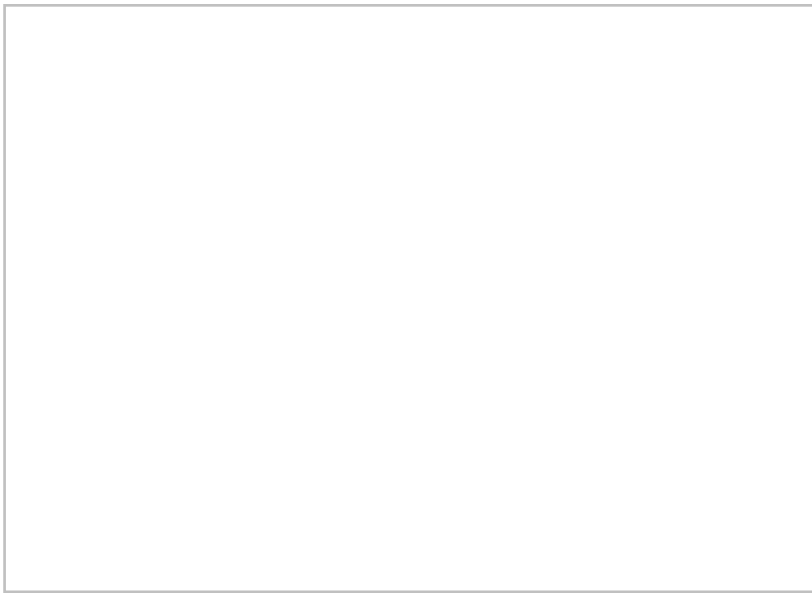
Cell Phone: 226-821-2497

Field Crew: Heidy Schopf (416) 518 0145

Meeting Location: 701 Allanburg Road, Thorold (see map for parking and survey locations)

Meeting Time: Heidy will be on site for 8:00am to meet with locates. As this is the case we are not planning to start the archaeological fieldwork until **9:30am** (dependent on weather conditions and confirmation that locates are complete)

PPE Required: Visi-vest and steel toed safety boots



Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



From: Dickinson, Chelsea

Sent: Monday, October 4, 2021 6:35 PM

To: williams.todde@gmail.com

Cc: tworowarchaeology@gmail.com; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidyschopf@woodplc.com>; Howell, Cara <cara.howell@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Evening Mr. Williams,

I hope this email finds you well.

Wood is looking to complete a test pit survey at the property at 6811 Reixinger Rd in Niagara Falls as

part of the South Niagara Falls Wastewater Treatment Plant project. The fieldwork date has been set for this Thursday (October 7th).

Please find below the site information and contact details:

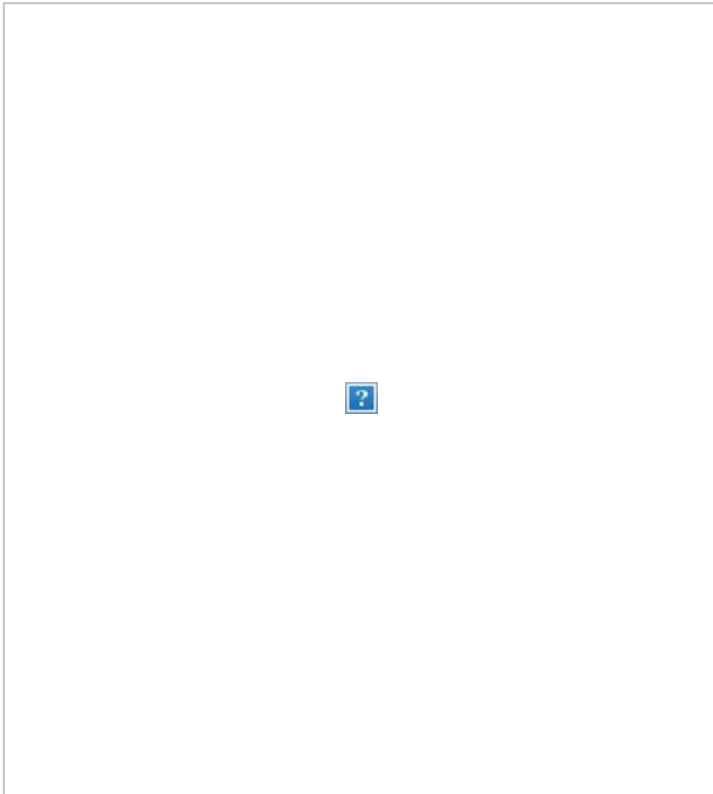
Field Director: Krista Lane (krista.lane@woodplc.com)

Cell Phone: 905-741-0654

Field Crew: Lauren Zaphishny

Meeting Location and Time: 7:30am (see map for parking and survey locations [orange area around the farmhouse and orange area along Welland River shoreline])

PPE Required: Visi-vest and steel toed safety boots



Please let me know if you have any questions or concerns please let me know.

Thanks,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



From: Howell, Cara

Sent: Thursday, September 2, 2021 3:49 PM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

Unfortunately the field is not ready for the pedestrian survey. We are delaying the September 7th field work.

I will get back in touch when we have another date scheduled.

Thanks,

Cara

[Cara Howell B.A.](#)

Senior Archaeologist / Lab Supervisor

Mobile: +1 (905) 730-5735

www.woodplc.com



From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:37 AM

To: Todd Williams <williams.todde@gmail.com>; Wayne Hill <tworowarchaeology@gmail.com>

Subject: FW: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Hi Todd,

I think there was some confusion last time with the address I gave.

Lisa has asked me to send the house address - 6811 Reixinger. That will take you right to the fields and

the crew can park on the road.

Thanks,
Cara

From: Howell, Cara

Sent: Tuesday, August 31, 2021 9:21 AM

To: Todd Williams <williams.todde@gmail.com>

Cc: Wayne Hill <tworowarchaeology@gmail.com>; Lane, Krista <krista.lane@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Slim, Barbara <barbara.slim@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>

Subject: Stage 1 & 2 Archaeological Assessment, South Niagara Falls Wastewater Treatment Plant, City of Niagara Falls

Good Morning Todd,

**NOTICE OF PUBLIC INFORMATION CENTRE #4
SOUTH NIAGARA FALLS
WASTEWATER SOLUTIONS
MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT**

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

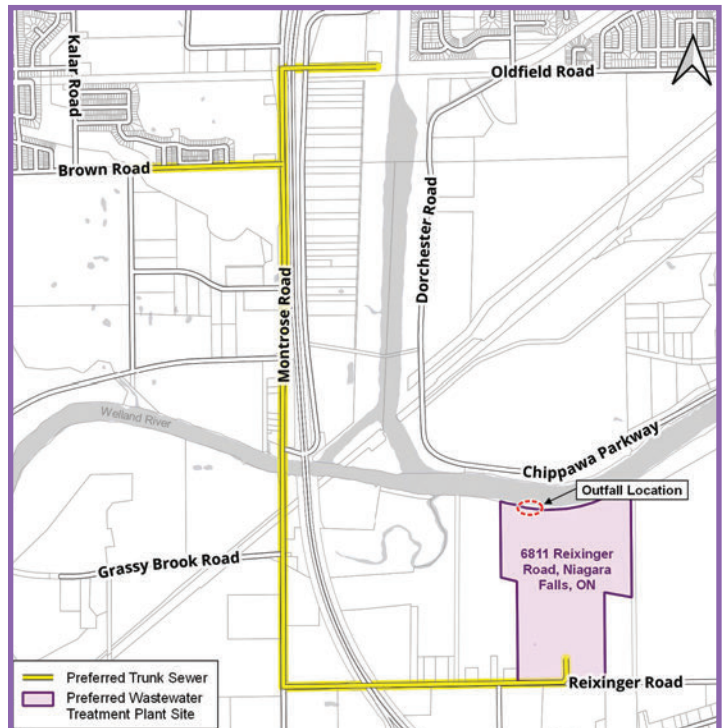
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.
niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

If you require any accommodations to participate, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act. The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

Danielle MacKinnon - GM BluePlan

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Wednesday, March 09, 2022 3:39 PM
To: Dickinson, Chelsea
Cc: Schopf, Heidi; Slim, Barbara; Vespi, Lisa; Macarthur, Josh
Subject: RE: SNFWWTP - Archaeology Reports - SNGREC Review

CAUTION EXTERNAL EMAIL: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Hi Chelsea,

I have received the files.

I am reviewing those immediately, actually started this morning! I am going away from holidays, so I will ensure that review is completed .

Kind Regards,

Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
e. tanyahill-montour@sixnations.ca

From: Dickinson, Chelsea [mailto:chelsea.dickinson@woodplc.com]
Sent: March 9, 2022 9:46 AM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Macarthur, Josh <josh.macarthur@niagararegion.ca>
Subject: RE: SNFWWTP - Archaeology Reports - SNGREC Review

Good Morning Tanya,

You should have received a new FTP link from heidy.schopf@woodplc.com

Can you confirm whether or not you have received this email?

-Chelsea

From: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Sent: Wednesday, March 9, 2022 8:41 AM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Macarthur, Josh <josh.macarthur@niagararegion.ca>
Subject: RE: SNFWWTP - Archaeology Reports - SNGREC Review

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Hi Chelsea,

Good morning, no I have not received these assessments for review can you send them individual – we have issues with large files. I can bring this file to my immediate attention.

Kind Regards,

Tanya j. Hill-Montour B.A Hons.
Six Nations of the Grand River - Archaeology Supervisor.
c.226.388.0665
e. tanyahill-montour@sixnations.ca

From: Dickinson, Chelsea [<mailto:chelsea.dickinson@woodplc.com>]
Sent: March 1, 2022 4:54 PM
To: Tanya Hill-Montour <tanyahill-montour@sixnations.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>; Slim, Barbara <barbara.slim@woodplc.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Macarthur, Josh <josh.macarthur@niagararegion.ca>
Subject: SNFWWTP - Archaeology Reports - SNGREC Review

Good afternoon Ms. Hill,

Wood is happy to send along copies of the following reports as part of the South Niagara Falls Wastewater Treatment Plant (SNFWWTP) project.

1. Marine Archaeological Assessment
2. Stage 1 AA for the SNFWWTP Phase 1 Lands
3. Stage 1-2 AA for the SNFWWTP Phase 2 Lands
4. Stage 1 AA for the SNFWWTP South Thorold Trunk and Blackhorse Sewage Pumping Station
5. Stage 2 AA for the SNFWWTP Blackhorse Sewage Pumping Station

As a result of file size, the above reports and accompanying supplementary documents will be shared via an FTP link provided in a separate email. Should you have any issues accessing the above documents please let me know.

It would be appreciated if Six Nations of the Grand River Elected Council (“SNGREC”) could review these reports and provide comments for our consideration prior to submission to the Ministry of Heritage, Sport, Tourism and Culture Industries. We understand that with the current volume of projects and proposals underway on SNGREC’s treaty and traditional lands, as well as availability of SNGREC’s staff, it may take some time for this report to be reviewed. If possible, we request SNGREC’s review and comments be provided by April 1, 2021.

If you have any questions or concerns regarding the above, please let me know.

Thanks,

Chelsea Dickinson, B.A. Hons.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

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V4.8.2

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Ministry of the Environment, Conservation and Parks

Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Wednesday, February 20, 2019 1:32 PM
To: Slattery, Barbara (MECP); Vespi, Lisa (Lisa.Vespi@niagararegion.ca)
Cc: Spencer, Michael (MECP); Campbell, Sylvain (MECP); Danielle MacKinnon - GM BluePlan; Chris Campbell - GM BluePlan
Subject: RE: SNF Wastewater Solutions EA

Hi Barb,

Thank you for your prompt response.

We greatly appreciated the participation and discussion yesterday. We look forward to continued coordination moving forward.

We will prepare minutes for your review quickly and will send these through with a copy of the presentation.

Thanks,

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca



From: Slattery, Barbara (MECP) [mailto:barbara.slattery@ontario.ca]
Sent: Wednesday, February 20, 2019 10:11 AM
To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>; Vespi, Lisa (Lisa.Vespi@niagararegion.ca) <Lisa.Vespi@niagararegion.ca>
Cc: Spencer, Michael (MECP) <Michael.Spencer@ontario.ca>; Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Subject: SNF Wastewater Solutions EA

Good morning,

Following yesterday's meeting I wanted to act on the commitment I made to provide the team with some necessary information:

1. Once you are ready to issue the Notice of Commencement, the new protocol is that the Notice is attached to an email to eanotificationwcregion@ontario.ca. All subsequent notifications (i.e. for PICs and the final Notice of Completion) are also to be sent to this email. Regular questions or requests for meetings etc should be sent to my regular email address (Barbara.slattery@ontario.ca)
2. Based on the nature of the project and its location, the Indigenous communities that should be consulted are: Six Nations of the Grand River, Haudenosaunee Confederacy Chiefs Council and the Mississaugas of the Credit First Nation

3. Please go to this ministry site as it describes the new process that is to be followed in more detail: <https://www.ontario.ca/page/preparing-environmental-assessments#section-5> and specifically, please look for the information on the Project Information Form.

Barb Slattery, EA/Planning Coordinator

Ministry of the Environment, Conservation and Parks

West Central Region

(905) 521-7864

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Thursday, April 04, 2019 1:56 PM
To: eanotification.wregion@ontario.ca
Cc: Vespi, Lisa; Chris Hamel - GM BluePlan
Subject: Regional Municipality of Niagara, Water and Wastewater Projects, South Niagara Falls Wastewater Solutions
Attachments: Notice of Study Commencement - South Niagara Falls Wastewater Solutions.pdf; Project Information Form - South Niagara Falls Wastewater Solutions.xlsx

Dear Sir/Madam,

The Regional Municipality of Niagara initiated *South Niagara Falls Wastewater Solutions* on April 4, 2019. This study will be undertaken as a Schedule 'C' Class Environmental Assessment.

Please find attached the Notice of Study Commencement and completed Project Information Form.

If you have any questions or concerns, please contact Lisa Vespi (lisa.vespi@niagararegion.ca), the proponent Project Manager.

Kindest regards,

Danielle MacKinnon, B. Eng., E.I.T.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7214
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



NOTICE OF STUDY COMMENCEMENT SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

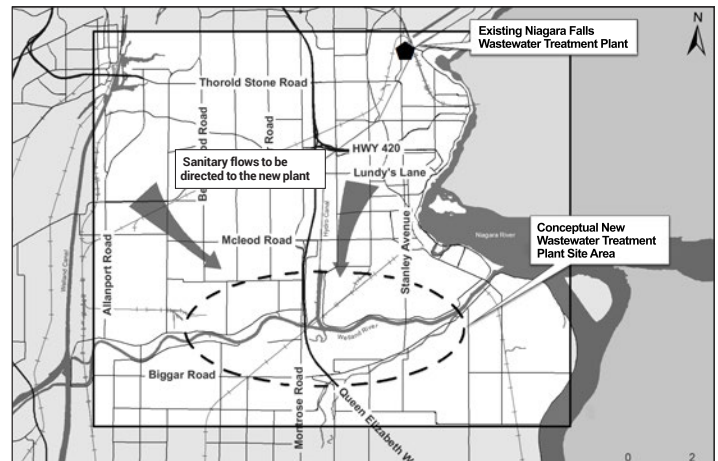
WHAT IS THIS STUDY ALL ABOUT?

There is significant residential and employment growth planned for Niagara Region and specifically for South Niagara, including areas in Niagara Falls and Thorold South. As we grow and build new communities, create new jobs, and invest in new facilities like schools and hospitals, investment is needed to plan and build our infrastructure. South Niagara will require a new wastewater treatment plant and will require upgrading our sewer system to support growth and protect the environment.

This study is about more than just constructing a new wastewater treatment plant. It is about a holistic solution to make improvements to the full wastewater systems in the area. It is about balancing the needs of growth with the protection and preservation of natural and heritage resources. It is also about the Region's investment in tomorrow to make sure we have the infrastructure we need to serve the current and future residents and businesses in the region.

WHY IS A NEW WASTEWATER TREATMENT PLANT NEEDED?

Niagara Region undertook an integrated process called "Niagara 2041" where the Region looked at growth planning, water and wastewater infrastructure and transportation all together to establish a plan for Niagara's future. "Niagara 2041" identified significant opportunity for growth in the South Niagara area. Under this



The EA will be studying the wastewater system within the boxed area on the map. The location for the new plant will be identified within the dotted circle area.

process, the 2016 Water and Wastewater Master Servicing Plan (MSP) Update was completed. A key recommendation of the MSP Update was to establish a new wastewater treatment plant in South Niagara and have the sewer systems in the southern area convey flows to this new facility (indicated by the arrows on the map). Region Council and Niagara Falls Council adopted these recommendations in 2017.

This Study will investigate alternative long-term servicing solutions for a new wastewater treatment plant and associated wastewater collection system. The Study will confirm the overall strategy. It will identify the preferred site for the new plant. It will identify the sewer routes in the area. It will select the preferred technology and construction requirements, and it will demonstrate the timing for design and construction.

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

WHAT IS THE PROCESS FOR THIS STUDY?

This Study is being undertaken as a Schedule 'C' Class EA, satisfying all phases in accordance with the Municipal Class Environmental Assessment (MEA) process (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

The Class EA process is a transparent process that will clearly demonstrate the decision making of where the new wastewater treatment plant will be located, what sewer infrastructure is needed, how the natural, social and cultural environments will be protected, how the infrastructure will be constructed, and the costs of the recommendations. Public, stakeholder and agency participation is critical and mandated. Niagara Region will engage and consult with these groups through each step.

HOW CAN I PARTICIPATE IN THIS STUDY?

It is expected that the Study will take approximately two years to complete. Public input and comments are encouraged throughout the EA. There are three sets of Public Information Centre (PIC) meetings planned through the course of the Study. These meetings are planned for Spring 2019, Fall 2019 and Spring 2020 where Region representatives will be available to introduce the Study, answer questions and discuss next steps.

There is also an opportunity at any time during the study process for members of the public to provide comments and concerns to the attention of the project managers. With the exception of personal information, all comments received during the process will become part of the public record of the study.

For project information, visit niagararegion.ca/projects/south-niagara-falls-treatment-plant. If you wish to receive future project notifications by email, please send your request to newtreatmentplant@niagararegion.ca.

If you wish to submit comments, please use the online form on the project webpage or contact us:

Ms. Lisa Vespi
Niagara Region Project Manager
Niagara Region
1815 Sir Isaac Brock Way
Thorold, Ontario, L2V 4T7
905.980.6000 ext. 3640
newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416.703.0667 | chris.hamel@gmblueplan.ca

Niagara Region is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons of disability. Please contact the Project Manager if you need any accommodation to provide comments or feedback for this study. This notice was first issued on April 4, 2019.

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Tuesday, May 28, 2019 12:51 PM
To: Moore, Michelle; Danielle MacKinnon - GM BluePlan
Subject: FW: South Niagara Falls Wastewater Solutions - Acknowledgement letter
Attachments: SouthNiagaraFallsWastewaterSolutionsCacklet.docx; A Proponent's Introduction to the Delegated Aspects of Consultation with....pdf

For file.

Thank you,
Lisa

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: Friday, April 5, 2019 4:10 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; 'chris.hamel@gmblueplan.ca' <chris.hamel@gmblueplan.ca>
Subject: South Niagara Falls Wastewater Solutions - Acknowledgement letter

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Have a great weekend

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
West Central Region
(905) 521-7864

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Ministry of the Environment,
Conservation and Parks
Drinking Water and Environmental
Compliance Division
West Central Region

119 King Street West
12th Floor
Hamilton, Ontario L8P 4Y7
Tel.: 905 521-7640
Fax: 905 521-7820

Ministère de l'Environnement
de la Protection de la nature et des Parcs
Division de la conformité en matière d'eau
potable et d'environnement
Direction régionale du Centre-Ouest

119 rue King Ouest
12^e étage
Hamilton (Ontario) L8P 4Y7
Tél. : 905 521-7640
Télééc. : 905 521-7820



April 5, 2019

Ms. Lisa Vespi
Region of Niagara

Mr. Chris Hamel
GM BluePlan Engineering Ltd.

Dear Ms. Vespi and Mr. Hamel

**Re: South Niagara Falls Wastewater Solutions
Schedule "C" Class EA Study
Region of Niagara
Response to Notice of Commencement**

This letter is in response to the Notice of Commencement for the above noted project. The Ministry of the Environment, Conservation and Parks (MECP) acknowledges that Niagara Region has indicated that it has commenced a Schedule "C" study in accordance with the MEA Class EA in order to determine the optimal location for a new sewage treatment facility that will service the southern portion of the Region.

Following our meeting on February 19th, Sylvain Campbell and Mike Spencer provided the Project Team with additional comments and suggestions as part of our review of the draft meeting minutes from that day. We trust that those comments will be useful.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge, real or constructive, of the existence or potential existence of an Aboriginal or treaty right and contemplates conduct that may adversely impact that right. Before authorizing this project, the Crown must ensure that its duty to consult has been fulfilled, where such a duty is triggered. Although the duty to consult with Aboriginal Peoples is a duty of the Crown, the Crown may delegate procedural aspects of this duty to project proponents while retaining oversight of the consultation process.

Your proposed project may have the potential to affect Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982. Where the Crown's duty to consult is triggered in relation to your proposed project, **the MECP is delegating the procedural aspects of rights-based consultation to you through this letter.** The Crown intends to rely on the delegated consultation process in discharging its duty to consult and maintains the right to participate in the consultation process as it sees fit.

Based on information you have provided to date and the Crown’s preliminary assessment you are required to consult with the following communities who have been identified as potentially affected by your proposed project:

COMMUNITY	CONTACT
Six Nations of the Grand River Territory 1695 Chiefswood Road P.O. Box 5000 Ohsweken, ON N0A 1M0	Chief Ava Hill Tel: (519)445-2201 or avahill@sixnations.ca Email: arleenma@sixnations.ca and Lonny Bomberry, Lands and Resources Director at lonnybomberry@sixnations.ca
Haudenosaunee Confederacy Chiefs Council 2634 6 th Line Road R.R. #2 Ohsweken, ON N0A 1M0	Hohahes Leroy Hill, Secretary jocko@sixnations.ca
Mississaugas of the New Credit 2789 Mississauga Road RR #6 Hagersville, ON N0A 1H0	Fawn Sault Consultation Manager Email: Fawn.Sault@newcreditfirstnation.com

Steps that you may need to take in relation to Aboriginal consultation for your proposed project are outlined in the “Code of Practice for Consultation in Ontario’s Environmental Assessment Process” which can be found at the following link:

<https://www.ontario.ca/document/consultation-ontarios-environmental-assessment-process>

Additional information related to Ontario’s Environmental Assessment Act is available online at: www.ontario.ca/environmentalassessments

You must contact the Director of Environmental Approvals and Permissions Branch under the following circumstances subsequent to initial discussions with the communities identified by MECP:

- Aboriginal or treaty rights impacts are identified to you by the communities
- You have reason to believe that your proposed project may adversely affect an Aboriginal or treaty right
- Consultation has reached an impasse
- A Part II Order request or elevation request is expected

The Director of the Environmental Assessment and Permissions Branch can be notified either by email with the subject line “Potential Duty to Consult” by mail, email or fax at the addresses provided below:

Email:	enviropemissions@ontario.ca
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	Subject: Potential Duty to Consult
Fax:	416-314-8452
Address:	Environmental Approvals and Permissions Branch 135 St. Clair Avenue West, 1 st Floor Toronto, ON, M4V 1P5

The MECP will then assess the extent of any Crown duty to consult for the circumstances and will consider whether additional steps should be taken, including what role you will be asked to play in them.

As of July 1st 2018, a standardized form is to be used by anyone who believes that the environmental assessment process was incomplete, incorrect in that it failed to follow the required process. The required form can be found on the Forms Repository website (<http://www.forms.ssb.gov.on.ca/>) by searching “Part II Order” or “012-2206E (the form ID number). Once completed, the form is then to be sent to both the Minister and Director of the Environmental Assessment and Permissions Branch. Their addresses are:

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

Director, Environmental Assessment and Permissions Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Ave. West, 1st Floor
Toronto, ON M4V 1P5
enviopermissions@ontario.ca

As of May 1, 2018, proponents are requested to send all Notices and completed project information form to the region where the project is located. If your project is located in more than one ministry region, you need to submit your notices to all appropriate regions. This is in addition to the existing notification requirements in each class environmental assessments and streamlined environmental assessment process.

To submit your Notice you need to do the following:

1. download and complete the [project information form](#)
2. the subject line of your email must include the project location, type of streamlined environmental assessment and project name
3. attach a copy of your project notice in PDF format and your completed project information form in Excel format to the email
4. send your email to the appropriate ministry regional office:
 - o Central Region – eanotification.cregion@ontario.ca

- Eastern Region – eanotification.eregion@ontario.ca
- Northern Region – eanotification.nregion@ontario.ca
- South West Region – eanotification.swregion@ontario.ca
- West Central Region – eanotification.wcregion@ontario.ca

Due to the subsequent approvals that this ministry will be responsible for in order for this project to proceed through to implementation, we would like to have a participatory role during the course of the preparation of this EA, to assist where we can and provide input that may facilitate any later approval applications. At minimum, we would like to review the assimilative capacity study and determination of effluent quality requirements. We would also like the opportunity to review a draft ESR.

Should you have any questions or require clarification, please contact me either at (905) 521-7864 or at Barbara.slattery@ontario.ca

With best regards,



EA/Planning Coordinator

Encl.

Cc (via email only) Sylvain Campbell, Michael Spencer

A PROPONENT'S INTRODUCTION TO THE DELEGATION OF PROCEDURAL ASPECTS OF CONSULTATION WITH ABORIGINAL COMMUNITIES

DEFINITIONS

The following definitions are specific to this document and may not apply in other contexts:

Aboriginal communities – the First Nation or Métis communities identified by the Crown for the purpose of consultation.

Consultation – the Crown's legal obligation to consult when the Crown has knowledge of an established or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. This is the type of consultation required pursuant to s. 35 of the *Constitution Act, 1982*. Note that this definition does not include consultation with Aboriginal communities for other reasons, such as regulatory requirements.

Crown – the Ontario Crown, acting through a particular ministry or ministries.

Procedural aspects of consultation – those portions of consultation related to the process of consultation, such as notifying an Aboriginal community about a project, providing information about the potential impacts of a project, responding to concerns raised by an Aboriginal community and proposing changes to the project to avoid negative impacts.

Proponent – the person or entity that wants to undertake a project and requires an Ontario Crown decision or approval for the project.

I. PURPOSE

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that may adversely impact that right. In outlining a framework for the duty to consult, the Supreme Court of Canada has stated that the Crown may delegate procedural aspects of consultation to third parties. This document provides general information about the Ontario Crown's approach to delegation of the procedural aspects of consultation to proponents.

This document is not intended to instruct a proponent about an individual project, and it does not constitute legal advice.

II. WHY IS IT NECESSARY TO CONSULT WITH ABORIGINAL COMMUNITIES?

The objective of the modern law of Aboriginal and treaty rights is the *reconciliation* of Aboriginal peoples and non-Aboriginal peoples and their respective rights, claims and interests. Consultation is an important component of the reconciliation process.

The Crown has a legal duty to consult Aboriginal communities when it has knowledge of an existing or asserted Aboriginal or treaty right and contemplates conduct that might adversely impact that right. For example, the Crown's duty to consult is triggered when it considers issuing a permit, authorization or approval for a project which has the potential to adversely impact an Aboriginal right, such as the right to hunt, fish, or trap in a particular area.

The scope of consultation required in particular circumstances ranges across a spectrum depending on both the nature of the asserted or established right and the seriousness of the potential adverse impacts on that right.

Depending on the particular circumstances, the Crown may also need to take steps to accommodate the potentially impacted Aboriginal or treaty right. For example, the Crown may be required to avoid or minimize the potential adverse impacts of the project.

III. THE CROWN'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

The Crown has the responsibility for ensuring that the duty to consult, and accommodate where appropriate, is met. However, the Crown may delegate the procedural aspects of consultation to a proponent.

There are different ways in which the Crown may delegate the procedural aspects of consultation to a proponent, including through a letter, a memorandum of understanding, legislation, regulation, policy and codes of practice.

If the Crown decides to delegate procedural aspects of consultation, the Crown will generally:

- Ensure that the delegation of procedural aspects of consultation and the responsibilities of the proponent are clearly communicated to the proponent;
- Identify which Aboriginal communities must be consulted;
- Provide contact information for the Aboriginal communities;
- Revise, as necessary, the list of Aboriginal communities to be consulted as new information becomes available and is assessed by the Crown;
- Assess the scope of consultation owed to the Aboriginal communities;

- Maintain appropriate oversight of the actions taken by the proponent in fulfilling the procedural aspects of consultation;
- Assess the adequacy of consultation that is undertaken and any accommodation that may be required;
- Provide a contact within any responsible ministry in case issues arise that require direction from the Crown; and
- Participate in the consultation process as necessary and as determined by the Crown.

IV. THE PROPONENT'S ROLE AND RESPONSIBILITIES IN THE DELEGATED CONSULTATION PROCESS

Where aspects of the consultation process have been delegated to a proponent, the Crown, in meeting its duty to consult, will rely on the proponent's consultation activities and documentation of those activities. The consultation process informs the Crown's decision of whether or not to approve a proposed project or activity.

A proponent's role and responsibilities will vary depending on a variety of factors including the extent of consultation required in the circumstance and the procedural aspects of consultation the Crown has delegated to it. Proponents are often in a better position than the Crown to discuss a project and its potential impacts with Aboriginal communities and to determine ways to avoid or minimize the adverse impacts of a project.

A proponent can raise issues or questions with the Crown at any time during the consultation process. If issues or concerns arise during the consultation that cannot be addressed by the proponent, the proponent should contact the Crown.

a) What might a proponent be required to do in carrying out the procedural aspects of consultation?

Where the Crown delegates procedural aspects of consultation, it is often the proponent's responsibility to provide notice of the proposed project to the identified Aboriginal communities. The notice should indicate that the Crown has delegated the procedural aspects of consultation to the proponent and should include the following information:

- a description of the proposed project or activity;
- mapping;
- proposed timelines;
- details regarding anticipated environmental and other impacts;
- details regarding opportunities to comment; and
- any changes to the proposed project that have been made for seasonal conditions or other factors, where relevant.

Proponents should provide enough information and time to allow Aboriginal communities to provide meaningful feedback regarding the potential impacts of the project. Depending on the nature of consultation required for a project, a proponent also may be required to:

- provide the Crown with copies of any consultation plans prepared and an opportunity to review and comment;
- ensure that any necessary follow-up discussions with Aboriginal communities take place in a timely manner, including to confirm receipt of information, share and update information and to address questions or concerns that may arise;
- as appropriate, discuss with Aboriginal communities potential mitigation measures and/or changes to the project in response to concerns raised by Aboriginal communities;
- use language that is accessible and not overly technical, and translate material into Aboriginal languages where requested or appropriate;
- bear the reasonable costs associated with the consultation process such as, but not limited to, meeting hall rental, meal costs, document translation(s), or to address technical & capacity issues;
- provide the Crown with all the details about potential impacts on established or asserted Aboriginal or treaty rights, how these concerns have been considered and addressed by the proponent and the Aboriginal communities and any steps taken to mitigate the potential impacts;
- provide the Crown with complete and accurate documentation from these meetings and communications; and
- notify the Crown immediately if an Aboriginal community not identified by the Crown approaches the proponent seeking consultation opportunities.

b) What documentation and reporting does the Crown need from the proponent?

Proponents should keep records of all communications with the Aboriginal communities involved in the consultation process and any information provided to these Aboriginal communities.

As the Crown is required to assess the adequacy of consultation, it needs documentation to satisfy itself that the proponent has fulfilled the procedural aspects of consultation delegated to it. The documentation required would typically include:

- the date of meetings, the agendas, any materials distributed, those in attendance and copies of any minutes prepared;
- the description of the proposed project that was shared at the meeting;
- any and all concerns or other feedback provided by the communities;
- any information that was shared by a community in relation to its asserted or established Aboriginal or treaty rights and any potential adverse impacts of the proposed activity, approval or disposition on such rights;

- any proposed project changes or mitigation measures that were discussed, and feedback from Aboriginal communities about the proposed changes and measures;
- any commitments made by the proponent in response to any concerns raised, and feedback from Aboriginal communities on those commitments;
- copies of correspondence to or from Aboriginal communities, and any materials distributed electronically or by mail;
- information regarding any financial assistance provided by the proponent to enable participation by Aboriginal communities in the consultation;
- periodic consultation progress reports or copies of meeting notes if requested by the Crown;
- a summary of how the delegated aspects of consultation were carried out and the results; and
- a summary of issues raised by the Aboriginal communities, how the issues were addressed and any outstanding issues.

In certain circumstances, the Crown may share and discuss the proponent's consultation record with an Aboriginal community to ensure that it is an accurate reflection of the consultation process.

c) Will the Crown require a proponent to provide information about its commercial arrangements with Aboriginal communities?

The Crown may require a proponent to share information about aspects of commercial arrangements between the proponent and Aboriginal communities where the arrangements:

- include elements that are directed at mitigating or otherwise addressing impacts of the project;
- include securing an Aboriginal community's support for the project; or
- may potentially affect the obligations of the Crown to the Aboriginal communities.

The proponent should make every reasonable effort to exempt the Crown from confidentiality provisions in commercial arrangements with Aboriginal communities to the extent necessary to allow this information to be shared with the Crown.

The Crown cannot guarantee that information shared with the Crown will remain confidential. Confidential commercial information should not be provided to the Crown as part of the consultation record if it is not relevant to the duty to consult or otherwise required to be submitted to the Crown as part of the regulatory process.

V. WHAT ARE THE ROLES AND RESPONSIBILITIES OF ABORIGINAL COMMUNITIES' IN THE CONSULTATION PROCESS?

Like the Crown, Aboriginal communities are expected to engage in consultation in good faith. This includes:

- responding to the consultation notice;
- engaging in the proposed consultation process;
- providing relevant information;
- clearly articulating the potential impacts of the proposed project on Aboriginal or treaty rights; and
- discussing ways to mitigate any adverse impacts.

Some Aboriginal communities have developed tools, such as consultation protocols, policies or processes that provide guidance on how they would prefer to be consulted. Although not legally binding, proponents are encouraged to respect these community processes where it is reasonable to do so. Please note that there is no obligation for a proponent to pay a fee to an Aboriginal community in order to enter into a consultation process.

To ensure that the Crown is aware of existing community consultation protocols, proponents should contact the relevant Crown ministry when presented with a consultation protocol by an Aboriginal community or anyone purporting to be a representative of an Aboriginal community.

VI. WHAT IF MORE THAN ONE PROVINCIAL CROWN MINISTRY IS INVOLVED IN APPROVING A PROPONENT'S PROJECT?

Depending on the project and the required permits or approvals, one or more ministries may delegate procedural aspects of the Crown's duty to consult to the proponent. The proponent may contact individual ministries for guidance related to the delegation of procedural aspects of consultation for ministry-specific permits/approvals required for the project in question. Proponents are encouraged to seek input from all involved Crown ministries sooner rather than later.

From: Chris Hamel - GM BluePlan
Sent: Fri, 17 May 2019 13:01:34 +0000
To: 'barbara.slattery@ontario.ca'
Cc: Lisa Vespi (lisa.vespi@niagararegion.ca)
Subject: South Niagara Falls Wastewater Solutions Class EA
Attachments: 18104462-TM-RevD-Data Review Modelling Approach-17Apr2019.pdf

Hi Barb,

Thank you for your coordination to date on the Class EA. The pre-consultation was helpful and our initial steps for the Class EA study itself are going well.

Hopefully you will have seen some of our recent deliverables to the MECP:

1. Notice of Commencement
2. Notice of PIC 1
3. Final minutes from our pre-consultation meeting

The additional item for submission to the MECP was the assimilative capacity and modelling approach memo. Our team, through Golder, has prepared the memo attached. We have submitted in draft to allow for MECP review and comment. It was my understanding from our meeting that all documents would be sent to you and that you would distribute to the appropriate MECP team member. In this case, it may still be forwarded to Mike and/or Sylvain.

We appreciate your continued coordination. Please return any comments on the memo to my attention.

Please contact either Lisa Vespi or me with any questions or clarifications.

Thanks,

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca



Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Thursday, March 12, 2020 8:59 AM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: South Niagara WWTP - MECP Comments on ACS
Attachments: Niagara South WWTP Draft Data and Modelling Approach SW Comments.docx

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca



From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: Friday, August 23, 2019 3:46 PM
To: Vespi, Lisa (Lisa.Vespi@niagararegion.ca) <Lisa.Vespi@niagararegion.ca>; Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: South Niagara WWTP - MECP Comments on ACS

With best regards,

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
West Central Region
(905) 521-7864

Ministry of the Environment,
Conservation and Parks
Drinking Water and Environmental
Compliance Division
West Central Region

119 King Street West, 12th Floor
Hamilton, Ontario L8P 4Y7
Tel.: 905 521-7640
Fax: 905 521-7820

Ministère de l'Environnement de la
Protection de la nature et des Parcs
Division de la conformité en matière
d'eau potable et d'environnement
Direction régionale du Centre-Ouest

119 rue King Ouest, 12^e étage
Hamilton (Ontario) L8P 4Y7
Tél.: 905 521-7640
Télééc.: 905 521-7820



August 23, 2019

MEMORANDUM

TO: Lisa Vespi
Region of Niagara

Chris Hamel
GMBluePlan

FROM: Barbara Slattery

RE: **Proposed Niagara South WWTP Class Environmental Assessment
Draft Data Review and Assimilative Capacity Modelling Approach
City of Niagara Falls, Welland River, Chippawa Creek, Niagara River and
Queenston-Chippawa Power Canal**

As requested, we have reviewed the following document for surface water issues:

*Draft South Niagara Wastewater Solutions Class Environmental Assessment –
Surface Water Data Review and Proposed Assimilative Capacity Modelling
Approach, Technical Memorandum, Golder Associates Ltd., April 17, 2019.*

The Technical Memorandum (Golder, April 2019) was submitted to document the surface water quality and flow data available and the proposed methodology for the assimilative capacity assessment as this is an integral part of the Region of Niagara's undertaking of the Municipal Class Environmental Assessment for the proposed second wastewater treatment plant proposed for location in the southern end of the City of Niagara Falls. We have provided significant comments to either explain the additional work that we feel is necessary or express our agreement with the proposed methodology. These comments are shown in **bold**.

Modelling Comments

1. For the Niagara River mass-balance calculations, it assumes that effluent will be mixing with 10% of the total river flow below the control dam. This will be verified using a Gaussian Plume model that predicts lateral mixing extent under steady

state conditions as the plume moves downstream. If the Gaussian Plume shows that the effluent does not mix with at least 10% of the river flow before reaching the falls, the mass balance model will be adjusted accordingly. Alternately, the lateral mixing could also be estimated using CORMIX. **This approach appears reasonable and can be implemented.**

2. For the remaining three locations, mass balance calculations will be undertaken using GoldSim version 12.1. **There is no objection to using GoldSim** to undertake simple mass-balance calculations where simulations will be stochastic to capture the range of variabilities and uncertainties in the inputs. **Probability distribution functions proposed for flows and concentrations of water quality parameters appear reasonable.**

3. Page 18 states “In a typical assimilative capacity assessment, the recommended effluent objectives are estimated for a low flow condition that occurs for one week every 20 years (i.e., 7Q20) or one out of every 1,040 weeks (i.e., 0.1% of the time). GoldSim will be used to estimate the allowable effluent objectives that will result in exceedances of the criteria no more than 0.1% of the time. This target percentage should be confirmed by MECP before the modelling commence.”

The target percentage is not correct, it should be 5%. The probability of having a receiving stream flow of less than or equal to 7Q20 in any given year is 5%, where percentage is calculated using reciprocal of return period (i.e., $1/T$, where T is the return period, which is 20 years in this case). That is, in any given year there is 5% chance of exceeding the criteria when the receiving stream flow is less than 7Q20.

4. Once the preferred discharge locations (one or two) are selected, detailed modelling will be undertaken using a 2-D hydraulic model that will consider the influences of regulated flows and levels under various scenarios as proposed in s.3.2.1 of the report. Results (typically currents) of the 2-D hydraulic model will be used in CORMIX for nearfield mixing analysis.

Please note, near field mixing is mostly influenced by the outfall configurations (i.e., diffuser configurations) and discharge momentum and not by currents in the receiving waters as appears to have been expressed by the consultant. For nearfield mixing **CORMIX is proposed to be used, which should satisfy MECP’s Policy 5 mixing zone analysis** (i.e., to choose an outfall configuration to attain minimum possible mixing zone).

5. **2-D unsteady state hydraulic modelling together with a water quality assessment tool may be required to better understand far field concentration distributions of contaminants with time and space, and considering effects of varying flows, levels and flow reversals in the Welland River East.**

Other Comments

1. Five-day carbonaceous biochemical oxygen demand (cBOD₅) is one of the effluent parameters regulated in municipal discharges. **In the discussion of potential**

parameters of the proposed discharge, this parameter was not included. A criterion shall be proposed for cBOD₅ that is supported by a dissolved oxygen analysis of the receiving waters.

2. **Table 5 on page 8, states a PWQO of un-ionized NH₃-N as 0.02 mg/L, which was not correct. That value should be 0.0164 mg/L.** Molecular weight of one molecule of NH₃ is 17 g and molecular weight of one molecule of Nitrogen is 14 g, therefore the weight of one molecule NH₃-N will be 82.35% of the weight of one molecule of NH₃ (14/17 x100 = 82.35%).
3. **Texts in Figure 2 were blurry and therefore difficult to read and should be revised in subsequent documentation together with an explanatory legend.**
4. **An adequate number of transects will be required** to properly replicate the geometry of the river, creeks and power canals. Representative transects data are fundamental to undertake meaningful hydrodynamic modelling.
5. **A map showing all four potential discharge locations will be helpful.**
6. The report identified that the Welland Canal may alter the flow in the Welland River during high flow events (p. 2). However, the canal siphons may also alter the Welland River flow during low flow conditions.
7. From Table 1:
 - (a) A map of the flow gauge station locations listed in Table 1 should be included.
 - (b) The specific HEPC water level or flow gauge location(s) (ie. Montrose, etc.) used to determine the HEPC flow estimate should be identified.
 - (c) The most recently constructed Sir Adam Beck Niagara tunnel became operation in 2013, however, the HEPC flow data was listed from 2016 to 2018. **If a lower flow year is recorded from 2013 to 2015, HEPC flow data from 2013 to 2018 should be used if available.**
8. From Table 2:
 - (a) A map of the water quality station locations listed in Table 2 should be included.
 - (b) Additional water quality data can be included for water quality station WR010. Table 2 identified that the Niagara Peninsula Conservation Authority (NPCA) water quality station WR010 (Welland River at Welland Canal) has data from 2003 to 2018. WR010 is the NPCA's location name for the Ministry's active Provincial Water Quality Monitoring Network (PWQMN) station No. 11000100502 (Welland River at River Street new siphon, Port Robinson) which has been sampled from 1965 to present (with some missing

years). The Ministry's PWQMN water quality data can be downloaded from <https://www.ontario.ca/data/provincial-stream-water-quality-monitoring-network> Depending on the length of the sampling period and amount of data, the data can be truncated to a more recent time period (ie. trend analysis, etc.) to define water quality.

- (c) Additional water quality data can be included for the water quality station WR011. Table 2 identified that the NPCA water quality station WR011 (Welland River at Montrose Road) has data from 2011 to 2018. WR010 is the same location as the Ministry's inactive PWQMN station No. 11000100383 (Welland River at Montrose Road) which was sampled from 1980 to 2003. Access to PWQMN data is the same as above in comment (b).

9. Section 2.4 Flow Data

- (a) The Welland River East flow analysis using proration may have a relatively significant level of uncertainty. The report identified that the Welland River East flows (watershed area of 906 km²) were prorated from the Water Survey of Canada gauge station 02HA007 (Welland River near Caistor Corners, watershed area of 223 km²) to determine the average, maximum, minimum and seasonal flows. In general terms, this is a relatively significant level of proration (approximately 4 times) which may have a relatively significant level of uncertainty (ie. USGS Estimating Streamflow Statistics, drainage-area method usually applied if the drainage area ratio is between 0.5 and 1.5). That being said, **the assimilative capacity study won't be based on these flow statistics but instead should be based on low flow analysis (7Q20 flow or statistical equivalent for regulated flows)** as outlined in the Ministry document "Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters, July 1994".
- (b) **The influence of the canal siphons during low flow conditions should be further assessed and incorporated into the Welland River East low flow analysis and modelling for the assimilative capacity study.** The report identified that supplemental flow from the Old Welland Canal is provided to the Welland River in addition to natural inflows from the upstream drainage areas (Section 2.4.2). Previous studies have identified that the Old Welland Canal flows dominate during low flow conditions at specific locations on the Welland River. **The impact of the New Welland Canal on the Welland River should also be assessed.**

The Region of Niagara's previous Environmental Assessment for the expansion of the Welland Wastewater Treatment Plant (WWTP) was supported by the *Technical Memorandum, Assimilative Capacity Assessment of the Welland River* (XCG, November 1, 2007). This Memo identified that the Welland WWTP discharges to the Welland River at a location between the crossings of the Old Welland Canal and the New Welland Canal. The Welland River passes under the Old Welland Canal via

six siphons 2 km upstream of the Welland WWTP and the river passes under the New Welland Canal 3.4 km downstream of the Welland WWTP. When the Old Welland Canal water levels are higher than river levels, water from the canal enters the river through ports in the siphon pipes at the bottom of the canal. The flowrate of the Old Welland Canal through the siphons is 14.16 m³/s except in winter (December to February) during maintenance when it is reduced to 11.19 m³/s. In addition to the siphons, the Welland WWTP bypasses 4.53 m³/s of Old Welland Canal water to the Welland River east of the siphons. Based on the 7Q20 low flow analysis of the Welland River, the Technical Memo (XCG, Nov. 2007) identified that the upstream Welland River flows have a negligible impact on total flow during low flow conditions and the flow past the Welland WWTP is dominated by canal water during low flow conditions in the Welland River.

The “*Technical Memorandum NW-5, Determination of the IPZ-2 for the Welland WTP Intake, Prepared for the Regional Municipality of Niagara, J. Alex McCorquodale, June 24, 2007*” also provided data on flowrates from the Old Welland Canal siphons into the Welland River. We have a digital copy of the McCorquodale Technical Memo which can be provided to the Region of Niagara. Other documents and correspondence from earlier EAs are likely in the Region’s files.

- (c) We understand that the NPCA has a flow gauge in the Welland River at O’Reilly’s Bridge on River Road at PWQMN station 100010072 with a doppler sensor that should have discharge and flow direction data that may or may not be useful for the Welland River East assessment.
- 10. **The flow gauge(s) and methodology used to estimate the HEPC flow (Section 2.4.4) provided by Ontario Power Generation should be identified.**
- 11. **The description of the HEPC flow should be expanded to include the Welland River inflow and the water level/flow control of the Sir Adam Beck Crossover location for a better understanding.** The report “*Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River, EA Conditions of Approval 7.4 and 7.5, Prepared for Ontario Power Generation, Hatch Mott MacDonald-Acres International, November 2005, Revision 2*” identified that the diversion flow to the Sir Adam Beck generating stations is governed by the water level at the Crossover location. The Crossover water level is controlled by the discharge through the Sir Adam Beck Generating Stations 1 and 2 and the Pump Generating Station. The Sir Adam Beck diversion flow varies in proportion to the difference between the Grass Island Pool and the Crossover water levels and is greater when the Crossover water level is lower.
- 12. **The flow gauge(s) and methodology to determine the Chippawa Creek flows should be identified.**
- 13. Section 2.5 Water Quality Data

- (a) The report identified that the initial phase of the assimilative capacity study will assess total ammonia, un-ionized ammonia, nitrate, phosphorus, *E.coli*, pH and temperature which is acceptable. **Since the full assimilative capacity study at a later phase should also assess total suspended solids, BOD and dissolved oxygen-sag in the receiver, it would be beneficial if there was a description of the available data for these parameters and a determination of whether additional data collection is necessary.**
- (b) **Table 7 should include temperature data for the Niagara River and Lake Erie similar to the other water quality tables.**
- (c) **The report should identify how water quality within Chippawa Creek will be determined (ie. combination of Niagara River and Lyons Creek).**

14. Section 2.6 Data Conclusions and Generalizations

The report identified that flows in the HEPC and Chippawa Creek should not be represented as a natural flow regime in the assimilative capacity study which is acceptable. Further low flow analysis and assessment of the Welland River East site should also determine how it should be appropriately represented.

15. Section 3.0 Proposed Modelling Approach

The report identified that the proposed modelling approach would estimate the recommended effluent objectives, however, **the modelling and assimilative capacity study should recommend effluent limits.** Effluent limits in Environmental Compliance Approvals (ECAs) are based on the assimilative capacity study and are legally enforceable (ie. compliance limits). Effluent objectives in ECAs are treatment plant design criteria (ie. conformance limits) which are less than effluent limits to provide a factor of safety before exceedance of the effluent limits.

16. The report identified that the proposed modelling approach would primarily consider total phosphorus, *E.coli*, total ammonia and un-ionized ammonia (with pH and temperature):

- (a) **Modelling and assessment of total phosphorus is acceptable** since it is usually the primary decision-making, limiting factor (ie. Surface Water Quality Policy 2 in Ministry document "Water Management Policies, Guidelines, Provincial Water Quality Objectives of the MOEE, July 1994").
- (b) While *E.coli* can be modelled, it will likely not be a decision making factor since *E.coli* effluent criteria will be set at the standard ECA values that are protective of all surface water receivers. The common standard ECA effluent limit is 200 counts/100mL and effluent objective is 100 counts/100mL (same as PWQO).

- (c) **Modelling and assessment of total ammonia and un-ionized ammonia is acceptable.** The Ministry document “Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters, July 1994” identifies that no conditions within the mixing zone will be permitted that are acutely lethal to aquatic life. West Central Region has procedurally used an end-of-pipe non-acutely lethal un-ionized ammonia concentration of 0.1 mg/L which should also be incorporated into the assessment.
17. **Permits to Take Water and municipal/industrial sewage discharge ECAs should be identified and incorporated into the assessment.** The Ministry document “Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters, July 1994” identifies that mixing zones should not impinge upon water supply intakes and mixing zones may overlap unless the combined effects are an impact concern.
18. The report identified that the **CSOs discharging to the HEPC will not be used for estimation of recommended effluent limits (p. 19) which is acceptable** since CSO are not included in assimilative capacity assessments.
19. If the Niagara River is chosen for the second phase of modelling (Section 3.2.1), **the impact of the Grass Island Pool on the discharge location flows, if any, should be assessed.**

This concludes our comments. Should you or members of the study team have questions, it would be more expeditious to direct them either to Michael Spencer (Michael.spencer@ontario.ca) or to Sajjad Khan (Mohammad.khan@ontario.ca).

With regards,

Barbara Slattery

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Thursday, May 30, 2019 3:13 PM
To: Slattery, Barbara (MECP); Campbell, Sylvain (MECP); Michael.Spencer@ontario.ca
Cc: Chris Hamel - GM BluePlan; newtreatmentplant@niagararegion.ca; Moore, Michelle; Vespi, Lisa
Subject: South Niagara Falls Wastewater Solutions EA - PIC No. 1 Materials
Attachments: SNF Wastewater Solutions Class EA - MECP Meeting Minutes 20190219.pdf

Hi all,

The first Public Information Centre for the South Niagara Falls Wastewater Solutions EA was held on May 28, 2019.

Please find material presented at PIC No. 1 available for download below. In addition, please find attached finalized minutes from our pre-consultation meeting held on February 19, 2019.

- PIC 1 Display Boards: https://sendafile.gmblueplan.ca/uploads/05-30-19_104900_SNF_WW_Solutions_-_PIC_No.1_Display_Boards.pdf
- PIC 1 Information Booklet: https://sendafile.gmblueplan.ca/uploads/05-30-19_105000_SNF_WW_Solutions_-_PIC_No.1_Information_Package.pdf
- PIC 1 FAQ Handout: https://sendafile.gmblueplan.ca/uploads/05-30-19_105033_SNF_WW_Solutions_-_PIC_No.1_FAQ_Handout.pdf

If you have any questions about the material above please contact Lisa Vespi (Niagara Region PM, newtreatmentplant@niagararegion.ca) or Chris Hamel (GM BluePlan PM, chris.hamel@gmblueplan.ca)

Kind regards,

Danielle MacKinnon, B. Eng., E.I.T.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7214
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



Meeting Minutes:

South Niagara Falls Wastewater Solutions Class Environmental Assessment

The Ministry of the Environment, Conservation and Parks, Agency Meeting

Meeting Date/Time: 2019/02/19
Location: Grimsby Wastewater Treatment Plant, Baker Road N.
Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2019/02/24

Attendance

Chair: Chris Hamel (GM BluePlan)
Attendees: Chris Hamel (GM BluePlan), David Watt (GM BluePlan), Danielle MacKinnon (GM BluePlan), Troy Briggs (CIMA), Gerard van Arkel (Golder), Lisa Vespi (RMON), Gordon Bell (RMON), Dawn MacArthur (RMON), Jason Oatley (RMON), Shahab Sharif (RMON), Bob Fleeton (Advisor), Sylvain Campbell (MECP), Michael Spencer (MECP), Barbara Slattery (MECP)
Regrets: Tony Cimino (RMON), Joe Tonellato (RMON),

Items Discussed For Information

1. The South Niagara Falls (SNF) Wastewater Solutions Study is being undertaken as a Schedule C Class Environmental Assessment (EA).
2. The SNF Study is currently in the Pre-Class EA phase, where the internal team (including GM BluePlan, Niagara Region, Golder Associates, and CIMA) are meeting with Agencies for initial consultation. The Agencies being consulted include Ontario Power Generation (OPG), Niagara Peninsula Conservation Authority (NPCA), and the Ministry of the Environment, Conservation and Parks (MECP).
3. MECP was previously consulted during the procurement process of this study. The intent of this Agency meeting is to recap project scope and receive input on data inventory, assimilative capacity, and study approach.
4. The current schedule includes a Notice of Study Commencement planned for March 2019. The first Introductory Public Information Centre (PIC) in May 2019, Phase 2 PIC in Fall 2019 and Phase 3 PIC in Spring 2020. The Environmental Study Report (ESR) is anticipated to be filed in Fall 2020.
5. The new SNF WWTP is holistic Regional solution intended to address capacity limitations, balance treatment capacity, eliminate pumping flows to the north, and supporting servicing for greenfield and intensification growth.
6. Key net benefits of the wastewater strategy include treatment capacity management, servicing optimization, asset management and wet weather management.
7. Combined Sewer Overflows (CSOs) and wet weather management has been brought forward in the agency pre-consultation meetings. Solutions including reducing extraneous flows in the collection system will be important for this EA. MECP asked that the Region and the City, as part of this project, look for ways to reduce bypasses and overflows within the City of Niagara Falls.
8. GM BluePlan and Team are looking at the holistic approach to reduce inflow and infiltration (I/I) and reduce impact to Hydro Canal, Welland River, and Niagara River. This will also look to improve any capacity constraints and overflows at existing SPS's and the Stanley Avenue WWTP.

-
9. The City of Niagara Falls is currently working on targeted I/I reduction strategies through CCTV (and similar) for the south Niagara Falls area on a macro scale. The City and Region are committed to tightening the collection system.
 10. GM BluePlan and Team have identified four (4) preliminary outfall locations including the Welland River, Chippawa Creek, Niagara River and OPG Power Canal and fifteen (15) potential WWTP sites. All siting locations are currently on the table as alternatives and will be evaluated through the EA process.
 11. The SNF Team had good discussions through Agency meetings with OPG and NPCA on feasibility of these sites. The Team has been made aware of local recreational constraints, naturalized section of the Hydro Canal, and limitations of existing OPG and Regional infrastructure.
 12. Additional study considerations raised during the meeting included: addressing hydrogen sulphide issues in the area; proximity to the new hospital, review of other potential flow sources to the new plant such as hauled sewage and wine waste, and traffic related to the new facility.
 13. The four water bodies where the outfall could be located, as mentioned above, were discussed. For Welland River East (section west of the power canal), it was noted that there are fluctuations in flows, potential for stagnant flow, potential for pooling effects and degraded water quality. 7Q20 analysis is applicable. The Chippawa Creek (section of the Welland River east of the power canal) is impacted by the OPG flow requirements. 7Q20 analysis most likely not applicable due to regulated flow control, however, a similarly protective flow should be determined. Niagara River discharge will be impacted by OPG operations, recreational objectives as well as coordination with the United States. All options will need to be mindful of water quality, potential for overlapping mixing zones, OPG operations, other dischargers, recreational uses, Permit to Take Water takers and natural environment impacts.
 14. MECP is interested in notification to New York State. GM BluePlan and Team have an internal advisor from the International Joint Commission, who will be consulted during the EA process and will be documented within the Study's Communication Plan.
 15. Engaging the local Chippawa community is recommended and will be essential in this EA process. The Chippawa community has previously dealt with odour issues and wet weather issues in the past.
 16. As the ESR documentation is prepared, treatment objectives and effluent criteria table will be included to demonstrate that there is no negative impact on the receiving body.
 17. Clear comment and response documentation (between the project team and the public and agencies) will need to be included in the final ESR documentation.
 18. Communication to downstream communities for public consultation as well as the Ministry of Natural Resources and Forestry is recommended.
 19. Indigenous consultation will commence as part of the pre-EA phase with phone calls from the Region to inform the specific parties about the study and ask how they want to be engaged.
 20. Comments and interest regarding the Stevensville Lagoons and other sources of odour should be anticipated under this study.
-

Action Items	Action By Date Required
21. GM BluePlan and Team are to develop a WorkPlan showcasing data inventory, planned approach (including expected software, purpose of use, and expected timelines) for the SNF Study. This will be submitted in the form of a Technical Memorandum to MECP. This will allow MECP to review and engage appropriate internal departments. Comments and ultimately written agreement on the approach would be achieved through the Tech Memo process.	GM BluePlan
22. Barb Slattery (MECP) to send: Specific email address for the West Central Region used for official Notices; and the three (3) local indigenous communities identified for consultation.	Barb Slattery (MECP)
23. The MECP has a new format for Part II orders, which includes a form that concerned parties will submit. This new method will need to be clear within the Notice of Study Completion. Barb to send any relevant updates on the Class EA process applicable for this study.	Barb Slattery (MECP)
24. MECP identified that ECAs for all dischargers in the study area would be available for information to the study.	Barb Slattery (MECP)
25. All submissions to MECP to be coordinated to Barb Slattery. Barb will forward to MECP team as applicable.	GM BluePlan, Barb Slattery (MECP)

Items in Agreement
26. It was agreed that all potential WWTP sites and the four (4) general outfall locations be carried through the EA process to clearly demonstrate and document the evaluation, screening and selection process.
27. Modelling Data – it was agreed that winter is the least critical season for ammonia. Low flow periods such as summer are the most critical period for ammonia toxicity and will be the focus of data sets and modelling results.
28. Preliminary review of available data sets demonstrates a reasonable and sufficient source of data for the project and modelling. This will be further documented and confirmed in the Tech Memo.
29. Using Monte Carlo simulations for screening alternatives in the Class EA is reasonable. This will be further documented and confirmed in the Tech Memo.
30. Cormix modelling will be required for the preferred site and outfall location only. This will be further documented and confirmed in the Tech Memo.
31. MECP would be willing to participate in a stakeholder steering committee (approached to be reviewed).

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

c. Attendees (by email)

Danielle MacKinnon - GM BluePlan

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Thursday, September 24, 2020 11:51 AM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions
Attachments: 2019-11-07-MECP-SNFWWTP-EA.Ltr.pdf; 3965 South Niagara Falls Wastewater Solutions Mailout PIC2.pdf

Danielle,

See below.

Jade

From: New Treatment Plant
Sent: Monday, November 11, 2019 11:15 AM
To: barbara.slattery@ontario.ca
Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

Hello Ms. Slattery,

Please find attached the Notice of Public Information Centre No. 2 and Notification letter for South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you wish to be removed, and/or would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Thank you,

South Niagara Falls Wastewater Solutions Project Team

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November 7, 2019

Ms. Barbara Slattery
EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
West Central Region
119 King Street West
12th Floor
Hamilton, ON L8P 4T9

Dear Ms. Slattery:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
City of Niagara Falls
Our File: O.01.04 99 20000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. This PIC will present the long list of potential wastewater treatment plant sites and offer the opportunity to comment and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date and Time: Wednesday, November 20, 2019 – 5 to 7 p.m.
Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3:00 to 4:00 p.m.

We look forward to your continued involvement through this EA process.

Sincerely,



Ms. Lisa Vespi, P.Eng., PMP®
Senior Project Manager
Water and Wastewater Engineering
Water and Wastewater Services
905-980-6000, ext. 3640
new.treatment.plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416-577-2500
Chris.Hamel@gmblueplan.ca

LV/at

(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls
WWTP\Project Management\Correspondence\Letters\2019\2019_11_06_OPG-SNFWWTP-EA.Ltr.docx)

Attach.

Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Thursday, November 21, 2019 2:27 PM
To: 'Moore, Michelle'; KEELER Kent -OPERATIONS (kent.keeler@opg.com); joann.kinnear@opg.com; KOWALSKI Peter -HTO; Campbell, Sylvain (ENE) <sylvain.campbell@ontario.ca> (sylvain.campbell@ontario.ca); barbara.slattery@ontario.ca; Thomas Proks; Robert Fleeton; Vespi, Lisa; Johnson, Doug; Erik Nickel (enickel@niagarafalls.ca); Cimino, Tony; Tonellato, Joseph; michael.spencer@ontario.ca; jennifer.harvard@ontario.ca; JONES Kevin -OPERATIONS
Cc: Neil Hutchinson; Danielle MacKinnon - GM BluePlan; Van Arkel, Gerard; Troy Briggs (Troy.Briggs@cima.ca); Chris Campbell - GM BluePlan; David Watt - GM BluePlan; Jasmine Biasi - GM BluePlan; 'Rose, Greg'
Subject: RE: New South Niagara Falls WWTP Stakeholder Technical Discussions - Effluent Criteria and ACS
Attachments: SNFWWS Stakeholder Meeting - ACS and Effluent Criteria - Agenda.pdf; 18104462_Screening_Level_ACS_RevC_14Nov2019.pdf

Hi all,

We are looking forward to our discussions on Thursday, Dec 5.

In preparation for the meeting, we wish to distribute the following material for your review:

1. Meeting Agenda
2. A link to download the Public Information Centre (PIC) #2 display boards (see below)
3. A copy of the draft Screening Level Assimilative Capacity Study (ACS) of Discharge Location Alternatives

With respect to the ACS, this phase of the study represents an initial analysis of the 4 alternative outfall locations.

You will note that the draft report provides comment on the suitability of each location, the existing water quality, the proportion of flow at each location, and the anticipated effluent criteria (level of treatment).

From this first phase of analysis, evaluation of potential wastewater treatment plant sites and outfall locations will be completed to select a preferred solution. Additional outfall dispersion modelling will be completed for the preferred solution to refine effluent limits and outfall design criteria. Ultimately, a final consolidated Assimilative Capacity Study will be completed and circulated for additional comment as part of the Class EA process.

Specific to this phase of review and in preparation for our workshop on December 5, we are hoping to receive feedback that the approach and preliminary results are consistent with expectations of the stakeholder group.

As noted, please find below the link to download the material recently presented at the PIC #2 held on November 20.

https://sendafile.gmblueplan.ca/uploads/11-20-19_102726_SNFWWS_-_PIC_2_Display_Boards_Compiled.pdf

Should you have any comments or questions, please contact me.

Thanks,

Chris Hamel, P.Eng.

President

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca

-----Original Appointment-----

From: Moore, Michelle <michelle.moore@niagararegion.ca>
Sent: Friday, October 18, 2019 11:39 AM
To: Moore, Michelle; KEELER Kent -OPERATIONS (kent.keeler@opg.com); joann.kinnear@opg.com; KOWALSKI Peter - HTO; Campbell, Sylvain (ENE) <sylvain.campbell@ontario.ca> (sylvain.campbell@ontario.ca); barbara.slattery@ontario.ca; Thomas Proks; Troy Briggs (Troy.Briggs@cima.ca); Chris Campbell - GM BluePlan; Chris Hamel - GM BluePlan; Robert Fleeton; Vespi, Lisa; Johnson, Doug; Erik Nickel (enickel@niagarafalls.ca); Cimino, Tony; Tonellato, Joseph; michael.spencer@ontario.ca; jennifer.harvard@ontario.ca
Cc: Neil Hutchinson; JONES Kevin -OPERATIONS; Danielle MacKinnon - GM BluePlan; Van Arkel, Gerard
Subject: New South Niagara Falls WWTP Stakeholder Technical Discussions - Effluent Criteria and ACS
When: Thursday, December 05, 2019 1:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: MacBain Community Center Board Room - 7150 Montrose Road, Niagara Falls Ontario

Please hold in your Calendars

This meeting will be a technical review of ACS and Effluent Criteria in preparation for PIC 3 for the New South Niagara Falls WWTP. Meeting Agenda and location to follow.

Michelle Moore

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Meeting Agenda: Technical Discussions – Assimilative Capacity Study and Effluent Criteria South Niagara Falls Wastewater Solutions Class Environmental Assessment

Date/Time: Thursday, December 5, 2019 1:00 – 3:00 p.m.
Location: MacBain Community Centre – 7150 Montrose Road, Niagara Falls ON

Meeting Called by: SNF Wastewater Solutions Class EA Team

Objectives:

1. Provide update on Class EA study progress
2. Provide overview of the Assimilative Capacity Study approach and results
3. Discuss ACS results, recommendations and proposed effluent objectives and limits
4. Provide overview of Next Steps including selection of the preferred solution, additional Assimilative Capacity Study tasks, and future meetings
5. Confirm support from the stakeholders on the study findings to date

Participants

Chair: Chris Hamel (GM BluePlan)

Attendees: Chris Hamel (GMBP), Chris Campbell (GMBP), Danielle MacKinnon (GMBP), Lisa Vespi (RMON), Michelle Moore (RMON), Tony Cimino (RMON), Joseph Tonellato (RMON), Doug Johnson (RMON), Erik Nickel (CNF), Robert Fleeton (Region Advisor), Troy Briggs (CIMA), Gerard Van Arkel (Golder), Neil Hutchinson (HES), Peter Kowalski (OPG), Joann Kinnear (OPG), Kent Keeler (OPG), Kevin Jones (OPG), Barbara Slattery (MECP), Sylvain Campbell (MECP), Michael Spencer (MECP), Jennifer Harvard (MECP), Thomas Proks (NPCA)

Matters for Discussion & Timeframes	Lead
Agenda Outline	
1. Class EA Study Update <ol style="list-style-type: none"> a) WWTP site, Collection System, Outfall Evaluation b) Public Consultation, PIC #2 	GMBP
2. Assimilative Capacity Study (ACS) <ol style="list-style-type: none"> c) Background and Approach d) Modelling Results 	CIMA/Golder/HES
3. ACS Recommendations <ol style="list-style-type: none"> a) Review of Outfall Locations b) Water Quality c) Proposed Effluent Objectives and Limits 	CIMA/Golder/HES
4. Class EA Study Next Steps <ol style="list-style-type: none"> e) Evaluation, Selection of Preferred Solution, PIC#3 f) Assimilative Capacity Study g) Coordination and Review Meetings 	GMBP

Additional items to be communicated to Chair prior to meeting.

Meeting Minutes: South Niagara Falls Wastewater Solutions Class Environmental Assessment Technical Discussion - Assimilative Capacity Study and Effluent Criteria

Meeting Date/Time: 2019/12/05
Location: MacBain Community Centre – 7150 Montrose Road, Niagara Falls, ON L2H 3N3
Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2019/12/06

Attendance

Chair: Chris Hamel (GM BluePlan)
Attendees: Chris Hamel (GM BluePlan), Danielle MacKinnon (GM BluePlan), Lisa Vespi (RMON), Michelle Moore (RMON), Tony Cimino (RMON), Joseph Tonellato (RMON), Doug Johnson (RMON), Jason Oatley (RMON), Dawn MacArthur (RMON), Erik Nickel (CNF), Robert Fleeton (Region Advisor), Troy Briggs (CIMA), Gerard van Arkel (Golder), Neil Hutchinson (HES), Tony Palma (OPG), Joann Kinnear (OPG), Barbara Slattery (MECP), Sylvain Campbell (MECP), Michael Spencer (MECP), Thomas Proks (NPCA), Joshua Diamond (NPCA)
Regrets: Peter Kowalski (OPG), Jennifer Harvard (MNRF)

Items Discussed For Information

1. GMBP provided a SNF Class EA Project Update:
 - SNF Team is currently working through the long-list evaluation. This method isn't simply about selecting a site, as each site presents multiple servicing strategies. The team is working through three study components: identifying favourable siting/treatment options, investigating four outfall locations (Welland River, Hydro Electric Power Canal, Chippawa Creek, and Niagara River) and working through several alternatives for the collection system. GMBP walked through a sample servicing strategy to illustrate siting complexity.
 - The three study components will be evaluated under 5 weighted categories: Environmental (25%), Social-Cultural (25%), Legal-Jurisdictional (10%), Technical (20%), and Financial (20%).
 - An additional Public Information Centre (PIC), was held on November 20, 2019. This event, PIC 2, walked the public through the complex evaluation process. At this event, attendees commented on the long-list of Wastewater Treatment Plant (WWTP) sites and preliminary evaluation criteria.
2. MECP recommends the planned hospital for South Niagara Falls and truck traffic be considered during the evaluation process. GMBP acknowledges that both items will be evaluated and that although timing appears to be in line with the hospital development, if needed, an interim solution will be presented to avoid delays in operations.
3. The current Assimilative Capacity Study (ACS) Screening Report was an exercise to understand water quality from a treatment perspective.
4. Feedback received during ACS screening will be included in the detailed ACS report, to be submitted for the preferred site and outfall location. This report will include the complete modelled approach and will be presented to Agencies prior to PIC 4 (anticipated for Summer 2020).
5. CIMA notes that the new WWTP appears to have minimal impact on DO, BOD5, TSS, and Nitrate parameters. Phosphorus, E.Coli, and Ammonia currently present the greatest challenges, especially with

the Welland River outfall location. If Welland River is selected as the preferred outfall, it will likely fall under Policy 2, meaning that it does not meet PWQO.

6. Golder presented findings from the ACS Screening Report. It's noted that Phosphorus levels became elevated during winter months and E.coli levels became elevated during high-flow conditions, both of which are uncommon results. Golder suspects this timing may reflect when algae is lying dormant.
7. Hutchinson Environmental completed a review of the ACS screening report.

The following comments were discussed:

- ACS Screening Report appears to have good layout of system alternatives.
 - Agreeance with modelling 7Q20 (uses worst case scenario) and Monte Carlo approach to look for probability of exceeding PWQO.
 - Both methods conclude that the new WWTP impact will be minimal.
 - Notes that ammonia levels, effluent objectives, and effluent limits will need to be clearly documented in the detailed ACS report.
 - Agreeance that sites should be selected on basis they can expand to 60 MLD for future servicing.
8. GMBP presented the current schedule, including objectives of upcoming PICs:
 - PIC 3 – February 2020 (anticipated date). To present preferred WWTP site, favorable outfall location and servicing strategy.
 - PIC 4 – Summer 2020. To present preferred treatment options and conceptual design.
 - Project Filing – Late 2020 (anticipated date).
 9. OPG would like potential for interference with maintenance and operations to be addressed in detailed reporting. This should consider OPG emergency shutdowns and long-term maintenance needs (1 in 50-year conditions). GMBP notes that the outfall would be south of any OPG owned gate to avoid interference with operations.
 10. MECP notes that OPG shutdowns could create river oscillations. Since this results in different dispersion, this study should comment on impact to recreational uses.
 11. NPCA notes that there are no immediate project concerns. Due to the potential locations of the WWTP, there are no expected impacts to Source Water Protection.

Action Items	Action By Date Required
12. MECP is currently reviewing the Region's Water Intake Study and then will be looking at discharges. Comments will need to align across related studies.	MECP/RMON
13. GMBP to provide MECP with project approach. MECP to confirm approach and expected timing for review.	GMBP/MECP
14. GMBP to send MECP presentable content prior to PIC 3 (February 2020). MECP to confirm if material is appropriate for public review.	GMBP/MECP
15. GMBP to send MECP final ACS report for review prior to PIC 4 (Summer 2020). MECP to comment on approach prior to public review.	GMBP/MECP
16. RMON and OPG to coordinate meeting to discuss Hydro Electric Power Canal considerations. Scheduled for January 30, 2020.	RMON/OPG - Complete
17. NPCA to send updated pH and temperate information to SNF Team.	NPCA - Complete

Items in Agreement

18. While this project should design to monthly effluent objectives for buffer, MECP notes that monthly effluent limits will be used for compliance points. MECP will review limits against Policy 1 and Policy 2.
 19. Looking for general water quality feedback on the ACS Screening Report. The final ACS report will include 30 MLD details based on the preferred site and outfall location. Commentary will include management of interference with OPG operations and maintenance. This detailed modelling report will be sent to agencies for review and comment prior to (expected in Summer 2020).
-

[Click here to enter text.](#)

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

Agency/Stakeholder Meeting No. 2 Assimilative Capacity Study and Effluent Criteria

Thursday, December 5, 2019

1:00 to 3:00 p.m.

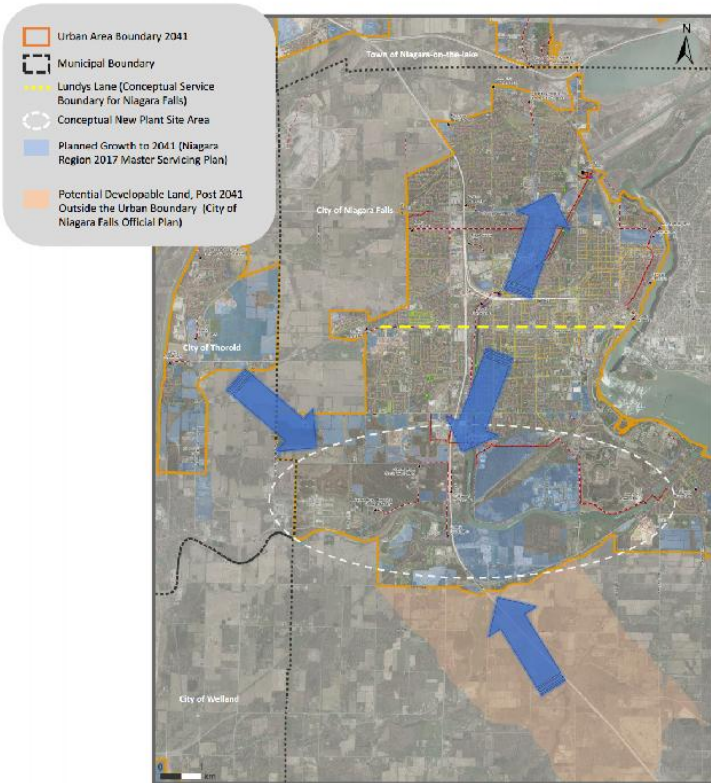
MacBain Community Centre – Boardroom



Today's Objectives

- Provide update on Class EA study progress
- Provide overview of the Assimilative Capacity Study approach and results
- Discuss ACS results, recommendations and proposed effluent objectives and limits
- Provide overview of Next Steps including selection of the preferred solution, additional Assimilative Capacity Study tasks, and future meetings
- Confirm support from the stakeholders on the study findings to date





	Today	2041
Total City of Niagara Falls People and Jobs	130,837	185,310
People and Jobs to new Wastewater Treatment Plant	53,467	85,292
Approximate Average Daily Flow Projections	11 MLD	21 MLD *

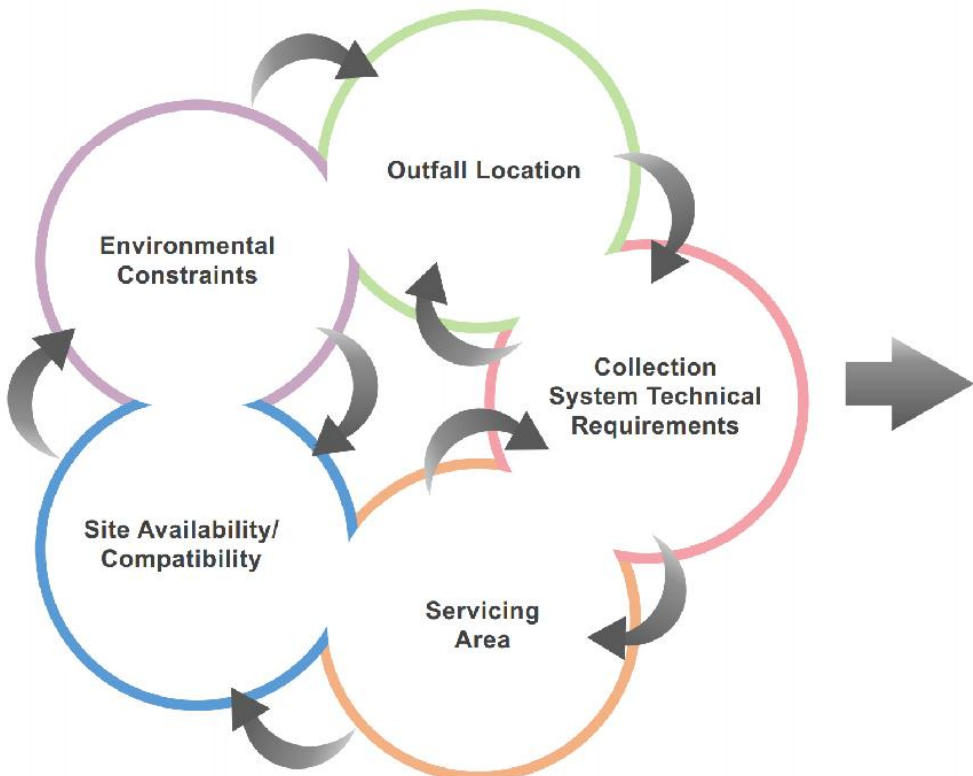
Planned Wastewater Treatment Plant Capacity	30 MLD **
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* Initial planned capacity will address growth needs beyond 20 years as well as firm capacity for all treatment processes

** Wastewater Treatment Plant site planning will consider future expansion to 60 MLD for post 2041 growth



Preferred Solution Drivers



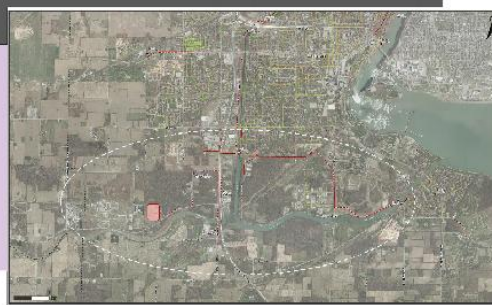
Preferred Solution

- Supports servicing planned and future growth
- Minimizes sewage pumping stations
- Reduces combined sewer overflows
- Maximizes flexibility for the future
- Optimizes cost phasing/management



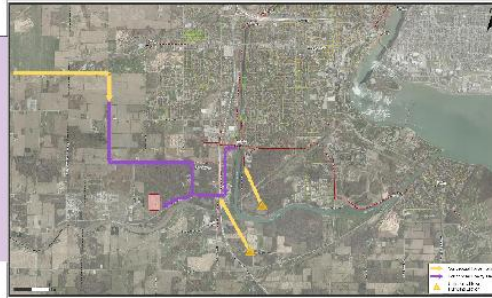
1. Plant Site

- The site must have suitable land size for a new plant
 - For size reference, the example site, shown in red, represents the approximate amount of land required
- Existing and surrounding land use is an important factor for a new plant site
- Ability to mitigate noise, visual impact, odour, traffic and construction are key considerations



2. Collection System

- Each site will have unique collection system requirements
 - For reference, the example collection system presented is unique to the example site
- Different collection systems may have longer or deeper sewers and more environmental crossings
- The collection strategy should consider flexibility for future growth areas and intensification



3. Outfall Location

- The site must be close to a nearby river or lake where the clean, treated water can be released
- The 4 outfall locations being considered are:
 - Welland River East
 - Hydro Electric Power Canal
 - Chippawa Creek
 - Niagara River



South Niagara Falls Wastewater Solutions Municipal Schedule 'C' Class Environmental Assessment



Water Quality

Conceptual Outfall Locations

1. Welland River East

- Requires enhanced treatment
- Typical low flow conditions
- Existing quality not favourable

2. Hydro Electric Power Canal

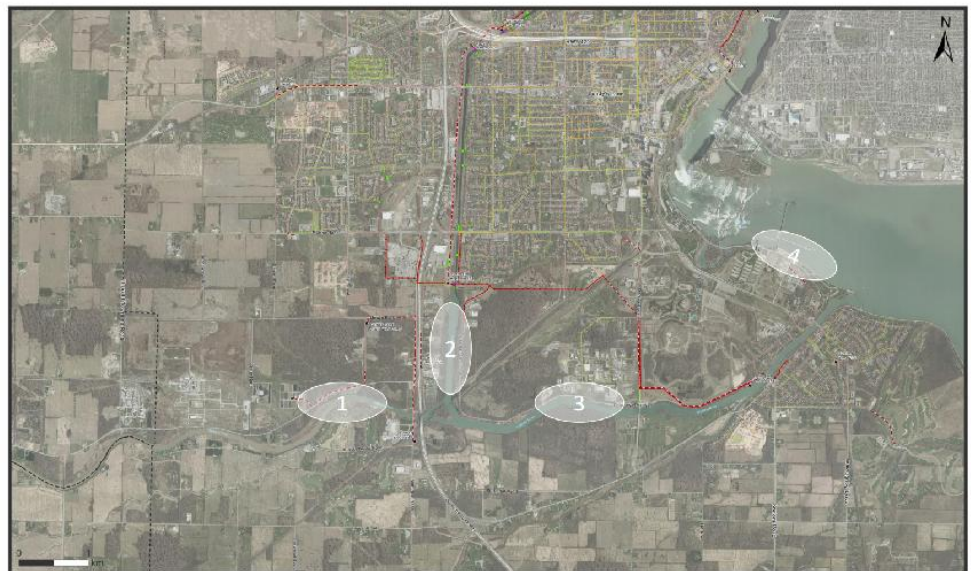
- Controlled flows and existing quality are favourable
- Plant represents only 0.1% of Hydro Canal Flow

3. Chippawa Creek

- Existing flow and quality are favourable
- Plant represents only 0.1% of Chippawa Creek Flow

4. Niagara River

- Typical high flow conditions
- Increased coordination with U.S.
- Plant represents only 0.02% of Niagara River Flow

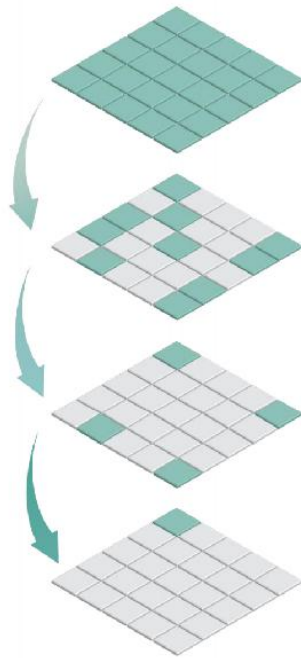


Note: The exact location of the new outfall will be determined at a later date

South Niagara Falls Wastewater Solutions Municipal Schedule 'C' Class Environmental Assessment



The preferred site and associated strategies will be determined through the following evaluation process.



Study Area

- Complete a general review of the study area
- Review sites of proper size that are close to receiving waterbodies, existing and future service areas, and have limited environmental features

Long List of Alternatives

- Determine long list of reasonable sites (Present at Public Information Centre No. 2)
- Determine most suitable collection system alternative(s) for each site relating to project objectives
- Determine most suitable outfall location(s) for each site based on proximity to waterbody
- Complete desktop review of environmental features, opportunities and constraints
- Complete technical and costing analysis, including system modelling, opportunities and constraints
- Evaluate long list of alternatives using criteria and weightings

Short List of Alternatives

- Select short list of alternatives including combination of 3 to 5 alternative sites and associated collection systems and outfall locations
- Evaluate short list using criteria and weightings
- Complete detailed review of environmental features, opportunities and constraints
- Complete detailed technical and costing analysis including system modeling, opportunities and constraints

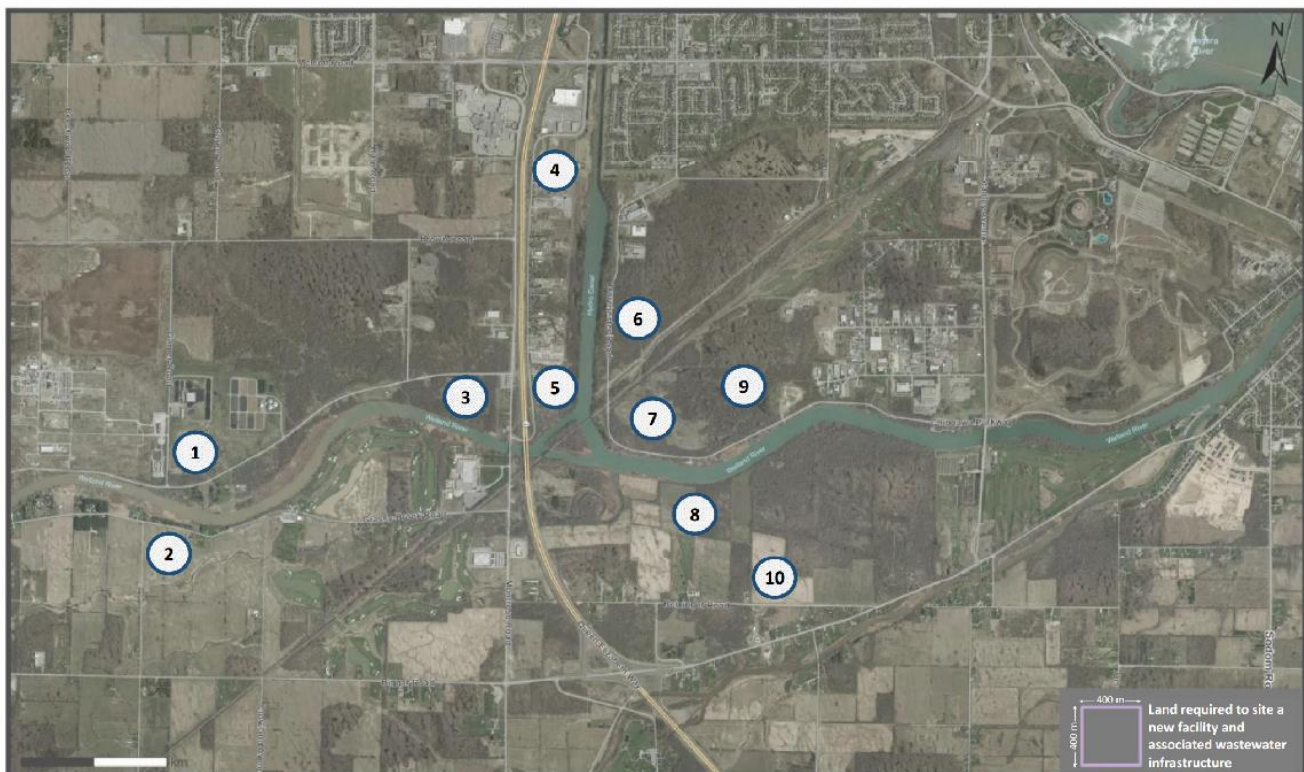
Preferred site and associated strategy

- Select preliminary preferred plant site, outfall location and collection system based on the detailed evaluation
- Present the recommended preliminary preferred alternatives at Public Information Centre No. 3 (Winter 2020)

* Public input will be used as appropriate throughout the evaluation process

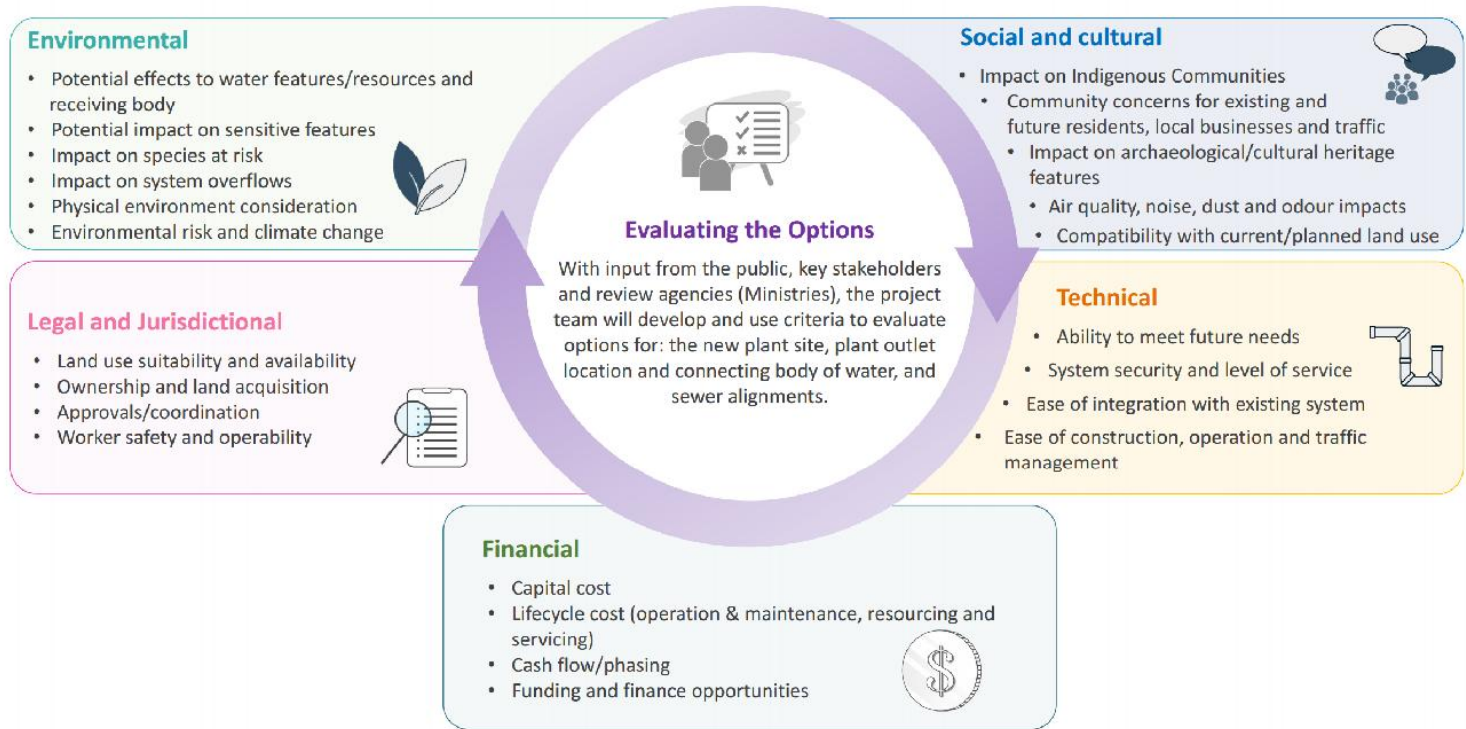


Long List of Potential Sites for the New WWTP

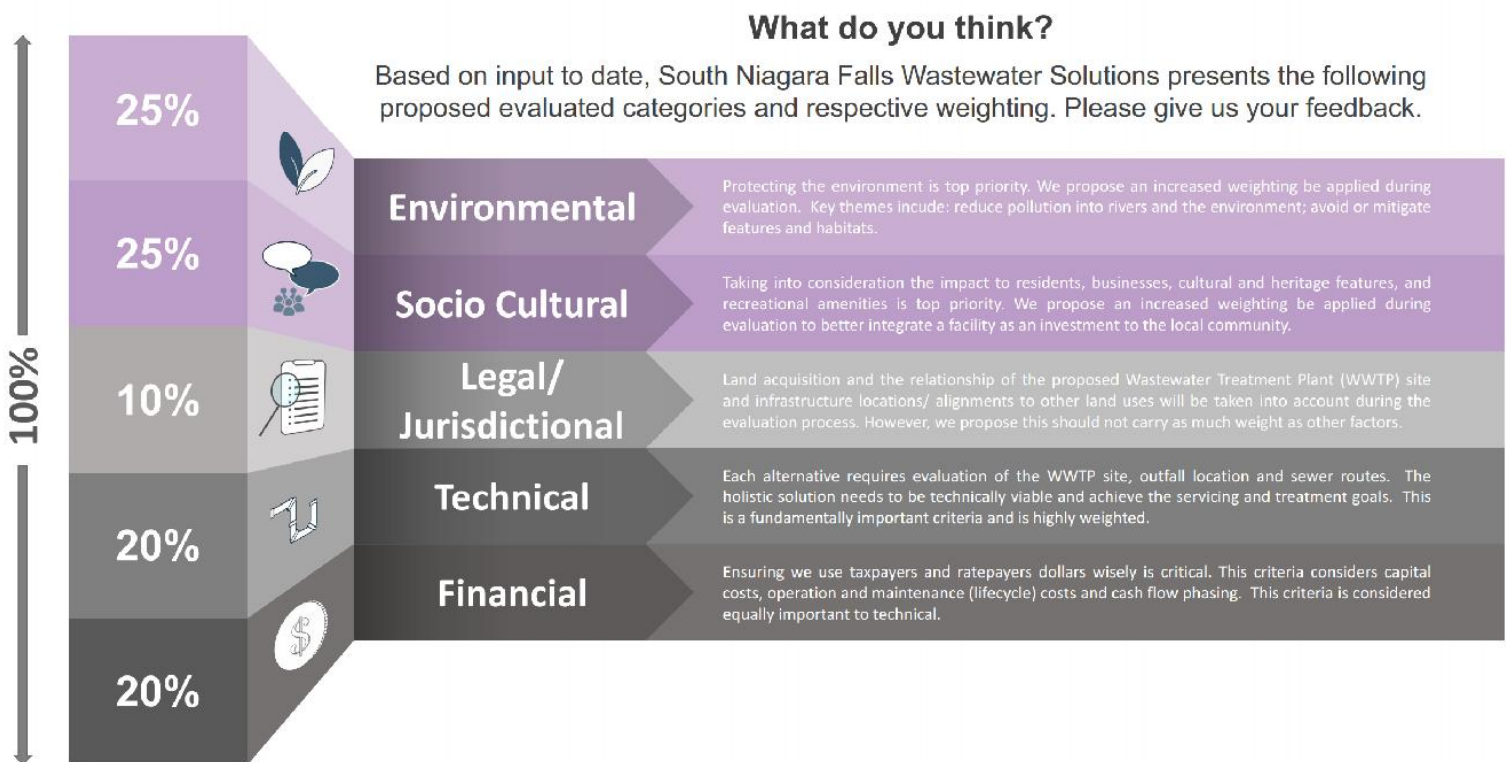


Note: The exact location of the new wastewater facility will be determined at a later date





Proposed Weighted Evaluation Criteria



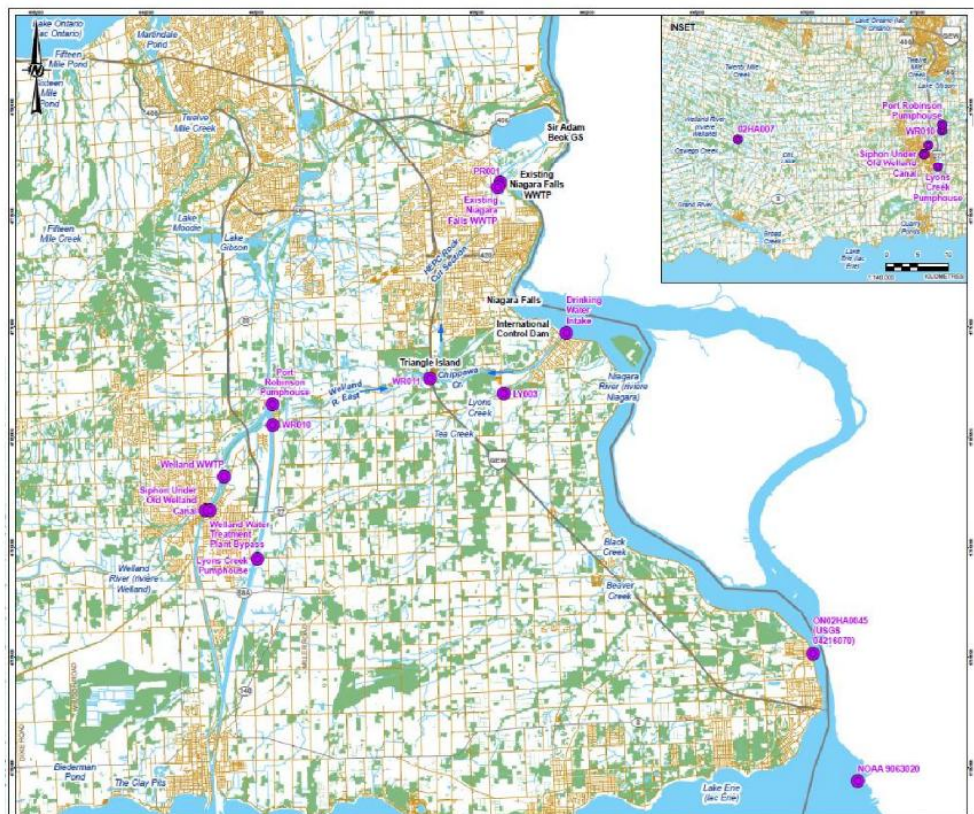
Study Purpose

- Evaluating the assimilative capacity of the receiving environment for each of the considered discharge locations considering seasonal effects.
- Wastewater discharge of 30MLD.
- Identifying the discharge concentration limits of key water quality parameters to meet:
 - Provincial Water Quality Objectives (PWQOs),
 - CCME criteria (where PWQOs are not available),
 - or to maintain Policy 2 conditions where appropriate.

Assimilative Capacity Study

Data Sources

- WSC
 - Welland River Flows
- OPG
 - HEPC Flows
- USGS
 - Niagara River Flows
- St. Lawrence Seaway
 - Supplemental Flows
- MECP
 - PWQMN Water Quality
- NPCA
 - Water Quality
- Niagara Region
 - Existing WWTPs
 - Drinking Water Intake
- NOAA and Environment Canada
 - Niagara River Water Quality



Data Conclusions and Generalizations

Flow Data

- No seasonal variation for Niagara River Flow
- HEPC and Chippewa Creek flows are regulated and cannot be represented as natural
- Supplemental flows from Welland Canal define low flow conditions in Welland River East and Lyons Creek
- Regulated flows over falls define low-flow conditions for Location 4

Water Quality Data

- Water quality in Chippewa Creek and HEPC generally defined by Niagara River water quality
- Phosphorous concentrations in the Niagara River tend to increase outside the growing season
- Exceedances of phosphorous and E.coli. in Welland River and cause exceedances in HEPC
- Water quality in Welland River East, particularly total phosphorous, deteriorates as the natural flows increases



Applicable Water Quality Objectives

- PWQOs used where possible
- CCME Guidelines used where no PWQO
- Bold values indicate selected objective

Parameter	PWQO or CCME Guideline
Unionized Ammonia	0.0164 mg/L as N
Total Ammonia	Estimated from unionized ammonia criteria based on ambient water temperature and pH using equations in the Provincial Water Quality Objectives (MOEE 1994)
Nitrate	3 mg/L as N
E. coli.	100 cfu/100mL
Total Phosphorous	<ul style="list-style-type: none"> > 0.01 mg/L for protection of naturally velar lakes > 0.02 mg/L to avoid nuisance algae in lakes > 0.03 mg/L to avoid excessive plant growth in rivers and streams
Dissolved Oxygen	<ul style="list-style-type: none"> > 54% of saturation or 5 mg/L above 20°C for cold water fisheries > 47% of saturation or 4 mg/L above 20°C for warm water fisheries
Total Suspended Solids	<ul style="list-style-type: none"> > During clear flow (low flow): Maximum average increase of 5 mg/L from background levels for longer term exposures (24 hours to 30 days). > During high flow: Maximum increase of 25 mg/L from background levels at any time when background levels are between 25 and 250 mg/L. Should not increase more than 10% of background levels when background is ≥ 250 mg/L.



Parameter	Compliance Point	Winter				Spring				Summer				Fall			
		L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4
Unionized Ammonia (mg/L)	Local	0.5	15.5	15	3	0.4	15.3	15	2.87	nc	13.9	13.9	2.74	0.3	14.2	14	2.86
	System	15.5				na				13.8				na			
Total Ammonia (mg/L)	Local	48 (48)	1,681 (2,008)	1,633 (1,940)	338	16 (20)	625 (710)	609 (677)	158	nc	142 (172)	143 (174)	35.6	5 (6)	304 (333)	299 (334)	98
	System	1,663 (2,003)				na				610 (707)				na			
E. coli (cfu/100 mL)	Local	nc (nc)	nc (nc)	55,235 (48,567)	9,276	nc (nc)	75,615 (78,132)	94,761 (85,459)	16,249	nc (nc)	107,736 (88,800)	107,869 (88,996)	19,368	nc (nc)	76,549 (69,113)	81,586 (71,728)	13,680
	System	nc				na				78,132 (75,382)				na			
Nitrate (mg/L)	Local	29 (23)	3,149 (2,644)	3,108 (2,621)	497	96 (67)	3,069 (2,681)	2,910 (2,614)	497	103 (99)	3,334 (2,750)	3,219 (2,652)	577	83 (73)	3,245 (2,807)	3,133 (2,735)	521
	System	2,629 (3,142)				na				2,668 (3,062)				na			
Total Phosphorous (mg/L)	Local	nc	nc	nc	nc	nc	nc	3.28 (3.80)	0.76	nc	6.93 (5.69)	9.20 (7.65)	1.71	nc	nc (0.23)	2.97 (2.84)	0.58
	System	nc				na				nc				na			
Dissolved Oxygen (% Saturation)	Local	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
CBOD ₅ (mg/L)	Local	365	6,296	5,923	1,118	338	5,364	4,999	999	245	7,941	7,689	1,461	239	5,097	4,885	927
Total Suspended Solids (mg/L)	Local	204	5,047	4,880	934	202	5,047	4,866	985	213	5,046	4,846	934	201	5,046	4,855	934

- GoldSim used for Total Ammonia, E.coli, Nitrate, and phosphorous (values in brackets).
- System compliance point not applicable to Location 4
- System compliance point not applicable to Dissolved Oxygen, CBOD₅, or TSS

Effluent Criteria

Effluent Quality for Selected Treatment Technologies

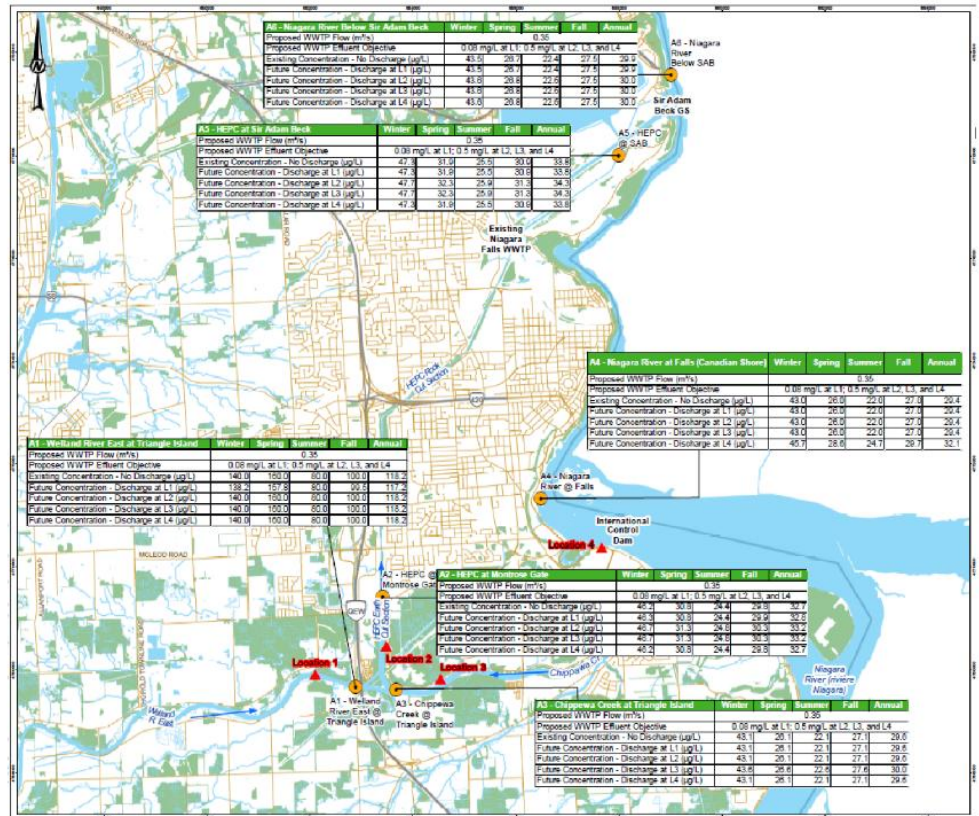
- Used to identify level of treatment for each location
- Used to estimate effects of the project on the environment

Process	Effluent Parameter ^{1,2}			
	CBOD ₅ (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorous (mg/L)	Total Ammonia (mg/L as N) ³
Conventional Activated Sludge System				
Without Phosphorous Removal	15	15	3.5	15 to 20
With Phosphorous Removal	15	15	<1.0	15 to 20
With Phosphorous Removal and Filtration	5	5	<0.3	15 to 20
With Nitrification and Phosphorous Removal	15	15	<1.0	<3
Membrane Bioreactor				
With Phosphorous Removal	2	1	0.1	0.3

Notes:

- Taken from "Design Considerations for Sewage Treatment Plants" (MECP 2019)
- The above values are based on raw sewage with CBOD₅ = 150-200 mg/L, Soluble CBOD₅ = 50% of CBOD₅, TSS = 150-200 mg/L, TP = 6-8 mg/L, TKN = 30-40 mg/L, TAN = 20-25 mg/L.
- TAN (total ammonia nitrogen) concentrations may be lower during warm weather conditions if nitrification occurs.

- Please see handouts
- A1 to A4 are local compliance points
- A5 is the System Compliance Point in HEPC
- A6 is in Niagara River Below Sir Adam Beck
- Largest differences are at A1 for discharge into Welland River
- Most differences are in 2nd or 3rd significant figure and may not be measurable



South Niagara Falls Wastewater Solutions
Municipal Schedule 'C' Class Environmental Assessment

Preliminary Effluent Criteria – Welland River East

Table 64: Proposed Effluent Objectives and Limits for Discharge at Location 1 – Welland River East

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.10	0.16
Total Ammonia (mg/L)	Summer	0.75
	Winter/Spring/Fall	4.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	5	10
Total Suspended Solids (mg/L)	5	10

- Enhanced Tertiary Level of Treatment for Phosphorus due to Policy 2 Conditions in River
- Ammonia limits approaching limits of technology
- BOD5 and TSS consistent with tertiary treatment
- Nitrate and DO are not parameters of concern



Table 65: Proposed Effluent Objectives and Limits for Discharge at Location 2 – Hydro Electric Power Canal

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	3.0
	Winter/Spring/Fall	6.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



Preliminary Effluent Criteria – Chippawa Creek

Table 66: Proposed Effluent Objectives and Limits for Discharge at Location 3 – Chippawa Creek

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	3.0
	Winter/Spring/Fall	6.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



Table 67: Proposed Effluent Objectives and Limits for Discharge at Location 4 – Niagara River

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	2.0
	Winter/Spring/Fall	5.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



ACS Conclusions and Recommendations

- Phosphorous constraints during the winter for discharges to the HEPC, Chippewa Creek, and the Niagara River due to concentrations in the Niagara River.
- Additional constraints in Welland River East (phosphorous and ammonia) would require more advanced treatment than compared to other locations
- For nitrate, *E. coli*, CBOD₅, dissolved oxygen, and TSS the maximum allowable effluent concentrations are greater than the expected effluent concentrations from a conventional activated sludge treatment plant.
- At most locations, the expected water quality concentrations are not expected to be measurably different from the existing conditions.
 - The exception is at Location 1 where measurable differences in water quality in the immediate area of the discharge are expected.



- This phase of the ACS represents an initial analysis of the 4 alternative outfall locations.
- The draft ACS report provides comment on:
 - the suitability of each location
 - the existing water quality
 - the proportion of flow at each location, and
 - the anticipated effluent criteria (level of treatment)
- From this first phase of analysis, evaluation of potential wastewater treatment plant sites and outfall locations will be completed to select a preferred solution.
- Additional outfall dispersion modelling will be completed for the preferred solution to refine effluent limits and outfall design criteria.
- Ultimately, a final consolidated Assimilative Capacity Study will be completed and circulated for additional comment as part of the Class EA process.
- Require agency and stakeholder feedback that the approach and preliminary results are consistent with expectations of the stakeholder group.



Next Steps

Next Steps

- Review input provided on evaluation criteria used: Is there additional criteria you believe should be considered? Does the information provided make sense and do you agree with the evaluation criteria weightings and process?
- Complete evaluation process on long list of sites to short list of 3-5 sites then to preliminary preferred solution
- Public Information Centre 3 in **Winter 2020**: Present evaluation and preliminary preferred solution. This PIC will look to engage the public and receive feedback on the preliminary preferred solutions including the new plant site location

Schedule:



- Formalized support for the process
- Comment on status of our recommendations
- Commitment to review and comment for the preferred solution



Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Thursday, February 27, 2020 12:09 PM
To: eanotification.wcregion@ontario.ca
Cc: New Treatment Plant; Danielle MacKinnon - GM BluePlan
Subject: Regional Municipality of Niagara, South Niagara Falls Wastewater Solutions, Notice of Public Information Centre No. 3
Attachments: Project Information Form - South Niagara Falls Wastewater Solutions.xlsx; South Niagara Falls WastewaterPIC 3_Email Notice.pdf

Dear Sir or Madam,

Please find attached the Notice of Public Information Centre No. 3 for *South Niagara Falls Wastewater Solutions Schedule "C" Class Environmental Assessment*. The Region will be presenting the **preliminary preferred solution including the proposed wastewater treatment plant site, associated sewer strategy and plant discharge location**.

Public Information Centre No. 3 will be held:

Date/Time: Wednesday, March 11, 2020 – 5 to 7p.m.

Location: MacBain Community Centre – Multi-purpose Room D and E, 7150 Montrose Road, Niagara Falls, ON L2H 3N3



Figure: Preliminary Preferred Solution Site and Outfall

As part of the study's consultation program, you are currently included in the study contact list. If you wish to be removed, would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Sincerely,

Lisa Vespi, P.Eng., PMP

Senior Project Manager, Water and Wastewater Services
Niagara Region

Phone: 905-980-6000 ext. 3640

www.niagararegion.ca

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NOTICE OF PUBLIC INFORMATION CENTRE #3 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

COME VIEW THE PRELIMINARY PREFERRED SOLUTION

ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study.

The Region will be presenting the preliminary preferred solution including **the proposed wastewater treatment plant site, associated sewer strategy and plant discharge location**. The public will have the opportunity to speak to the Project team, and provide comments and input on the preferred solution.

Wednesday, March 11, 2020 | 5 – 7 p.m.

MacBain Community Centre,
Multi-purpose Room D and E

7150 Montrose Road, Niagara Falls, ON
L2H 3N3

Facebook Live Video: 3 – 4 p.m.
View video by visiting Niagara Region's
Facebook page

CONTACT

Ms. Lisa Vespi, P.Eng., PMP

Project Manager

Niagara Region

3501 Schmon Parkway, PO Box 1042

Thorold, Ontario, L2V 4T7

905-980-6000 ext. 3640

New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Consultant Project Manager

GM BluePlan Engineering Limited

3300 Highway 7, Suite 402

Vaughan, Ontario, L4K 4M3

416-703-0667

Chris.Hamel@gmblueplan.ca

If you require any accommodations for a disability in order to attend and participate in meetings or events, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

This notice was first issued on Feb. 27, 2020

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Monday, February 03, 2020 12:47 PM
To: Chris Hamel - GM BluePlan; Danielle MacKinnon - GM BluePlan
Cc: rfleeton@outlook.com
Subject: FW: South Niagara WWTP Draft Screening Level Assimilative Capacity for Discharge Locations - MECP Comments

Hi Chris and Danielle,

Please see below from MECP regarding the draft ACS Screening Report. Please share with Golder.

Thank you,
Lisa

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: "Vespi, Lisa" <Lisa.Vespi@niagararegion.ca>
Date: 2020-02-03 12:45 p.m. (GMT-05:00)
To: "Slattery, Barbara (MECP)" <barbara.slattery@ontario.ca>
Cc: "Campbell, Sylvain (MECP)" <sylvain.campbell@ontario.ca>, "Spencer, Michael (MECP)" <Michael.Spencer@ontario.ca>
Subject: RE: South Niagara WWTP Draft Screening Level Assimilative Capacity for Discharge Locations - MECP Comments

Thank you Barb.

I will forward this along to the Project team and we will be in touch for clarity if necessary.

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: "Slattery, Barbara (MECP)" <barbara.slattery@ontario.ca>
Date: 2020-02-03 12:43 p.m. (GMT-05:00)
To: "Vespi, Lisa" <Lisa.Vespi@niagararegion.ca>
Cc: "Campbell, Sylvain (MECP)" <sylvain.campbell@ontario.ca>, "Spencer, Michael (MECP)" <Michael.Spencer@ontario.ca>
Subject: South Niagara WWTP Draft Screening Level Assimilative Capacity for Discharge Locations - MECP Comments

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Hello Lisa,

The Golder Associates November document *Draft South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Screening Level Assimilative Capacity Study of Discharge Locations Alternatives, Niagara Region, Golder Associates Ltd., November 2019* has been reviewed with the following comments for the project team's consideration. Please share this email as required.

1. Section 1.1.2 Potential Discharge Locations contained some typing errors for the location descriptions when compared to Figure 1. Location 1 Welland River East is located immediately west of Triangle Island, not east as identified. Location 3 Chippawa Creek is located immediately east of Triangle Island, not west as identified. Minor issues, but corrections should be made for the supporting documentation of the final ESR
2. In Section 3.0 Modelling Approach and Results and throughout the remainder of the document, it is indicated that the modelling approach was designed to estimate the recommended effluent objectives. However, as previously identified in comment #12 of the August 22, 2019 review memorandum, the modelling and assimilative capacity study should determine the recommended effluent **limits** and not the effluent **objectives**. As such, the report should be amended to reflect this determination. And specifically, Section 6.0 Conclusions and Recommendations and the corresponding Tables 64 to 67 that contain the initial proposed effluent objectives and limits for the various discharge locations should be amended.
3. The report evaluated the assimilative capacity of each discharge location considering the seasonal characteristics of key water quality parameters. In Section 6.0 Recommendations and Conclusion, it states that the proposed effluent objectives and limits should be re-evaluated upon completion of a mixing zone study and assessment of treatment technologies. In addition, the seasonal screening level assimilative capacity assessment should be expanded for the chosen preferred discharge location to assess the monthly assimilative capacity for the months with significant water quality data (potentially the months of spring, summer and fall) as is typical to further verify the proposed effluent limits. As well, as previously identified in comment #14 of the August 22, 2019 review memorandum, Permits to Take Water and municipal/industrial sewage discharge Environmental Compliance Approvals should be also identified and incorporated into the additional assessments for the chosen preferred discharge location. The Ministry document "Deriving Receiving-Water Based, Point-Source Effluent Requirements for Ontario Waters, July 1994" identifies that mixing zones may overlap unless the combined effects are an impact concern.

4. During the December 5, 2019 meeting with the Region on Niagara, there was a brief discussion of the OPG Hydroelectric Power Canal being shutdown for planned maintenance. As the details and timing of this planned maintenance become available, the Region should provide a discussion on how this would affect the proposed South Niagara WWTP and provide a contingency plan if necessary.

If any of the Project Team would like to discuss these comments, it would be more expeditious to contact Michael Spencer directly.

Thank you

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
West Central Region
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Thursday, February 27, 2020 12:09 PM
To: eanotification.wcregion@ontario.ca
Cc: New Treatment Plant; Danielle MacKinnon - GM BluePlan
Subject: Regional Municipality of Niagara, South Niagara Falls Wastewater Solutions, Notice of Public Information Centre No. 3
Attachments: Project Information Form - South Niagara Falls Wastewater Solutions.xlsx; South Niagara Falls WastewaterPIC 3_Email Notice.pdf

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Location: MacBain Community Centre – Multi-purpose Room D and E, 7150 Montrose Road, Niagara Falls, ON L2H 3N3



Figure: Preliminary Preferred Solution Site and Outfall

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Sincerely,

Lisa Vespi, P.Eng., PMP

Senior Project Manager, Water and Wastewater Services
Niagara Region

Phone: 905-980-6000 ext. 3640

www.niagararegion.ca

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Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Friday, February 28, 2020 11:37 PM
To: barbara.slattery@ontario.ca
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: South Niagara Falls Wastewater Solutions Class EA
Attachments: 718002 MECP Class EA Process Letter.pdf

Hi Barb,

Please find attached a letter providing an update to the above noted Class EA study with specific reference to the ACS and proposed timing.

Please contact me if you have any comments or questions.

Thank you for your coordination.

Regards,

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500

chris.hamel@gmblueplan.ca | www.gmblueplan.ca





February 24, 2020
Our File: 718002

Ministry of the Environment, Conservation and Parks
West Central Region
Ellen Fairclough Bldg 12th Floor
119 King Street West
Hamilton, Ontario
L8P 4Y7

Attention: Ms. Barb Slattery, EA/Planning Coordinator

Re: Niagara Region
South Niagara Falls Wastewater Solutions
Schedule C Class EA Study
Study Process and Approach Update

Dear Ms. Slattery,

Thank you again for your ongoing coordination related to the above noted project. The letter is intended to provide the MECP with a project update, confirm the approach of the Class EA process, and identify the desired timing by the Region for completion of the study.

Our meeting held on December 5, 2019 at the McBain Centre in Niagara Falls was an excellent exchange of information between the project team, Niagara Region, City of Niagara Falls, MECP, NPCA, and OPG. Our meeting covered the overall Class EA process, evaluation of alternatives to date, specific discussions on the receiving water bodies, and our assimilative capacity study to date.

Class EA Process and Evaluations

As discussed, this project requires a more complex evaluation process as there are 3 main components:

- the new wastewater treatment plant site,
- the outfall and effluent discharge location, and
- the collection system strategy.

In order to effectively work through the evaluation process, ensure clarity through the public consultation process, and to complete the study in a cost-effective manner, our approach to the Class EA process is outlined as follows:

1. Public Consultation
 - a. Notice of Commencement (April 2019)
 - b. PIC No. 1 in Phase 1 introducing the project and key issues (May 2019)
 - c. PIC No. 2 in Phase 2, which was introduced as an *additional* PIC, to highlight the complexity of the alternatives (3 components), and fully described the evaluation process, criteria and weighting (November 2019)

- d. PIC No. 3 in Phase 2 to identify the preliminary preferred solution covering the 3 components (scheduled for March 11, 2020)
 - e. PIC No. 4 in Phase 3 to identify the preliminary preferred design concept covering the 3 components (anticipated November 2020)
 - f. Notice of Completion (early 2021)
 - g. Effective print, internet and social media information
 - h. Direct communication with land owners
 - i. Direct communication with stakeholder and review/approval agencies
 - j. Direct communication with indigenous communities
2. Evaluation Approach
- a. We are utilizing multiple bottom line criteria (environmental, social/cultural, legal/jurisdictional, technical, and financial) with weighting at each stage of evaluation
 - b. We have worked through the alternatives using a study area screening, long list, short list and preliminary preferred solution approach
 - c. Each step has reviewed the 3 components: treatment plant site, outfall location, and collection system
 - d. This approach was presented at PIC No. 2 and will be further documented at PIC No. 3.
3. Supporting Studies
- a. We have and continue to complete all necessary environmental studies reviewing the site and alignments
 - b. Desktop information, available information and site-specific review has been used to evaluate the short list alternatives
 - c. Due to the complexity of 3 components as part of the overall alternatives, it is most efficient and cost-effective to complete additional environmental and supporting studies on the preferred solution only. This additional work has been scoped and is ready to be undertaken following presentation of the preliminary preferred solution at PIC No. 3.
 - d. All new information will be incorporated into the Class EA process and will be used to validate the preferred solution and guide the development and evaluation of the design concepts.
 - e. This information will be presented at PIC No. 4.

Assimilative Capacity Study

As discussed at our review meeting, the Assimilative Capacity Study (ACS) is being completed in steps:

- Step 1 Develop ACS modelling approach
- Step 2 Undertake receiving water body analysis of the 4 outfall locations and preliminary assimilative capacity analysis
- Step 3 Undertake detailed assimilative capacity analysis of the preferred site and outfall location including detailed information of location, depth, diffusion and other related parameters

Step 1 was completed and documented in a tech memo prepared by Golder, dated April 2019, that was circulated to the MECP. Comments were received back from MECP and incorporated into the approach.

Step 2 was completed and documented in a draft ACS report prepared by Golder, dated November 2019, that was circulated to the MECP. The first draft of the ACS is considered a screening step. The draft report provided comment on the suitability of each location, the existing water quality, the proportion of the new plant flow relative to the receiving water body at each location, and the preliminary proposed effluent criteria (level of treatment). It was essential to complete the receiving water body analysis of the 4 outfall locations

to support the evaluation process for the Class EA. Comments were received back from MECP and are being incorporated into our approach moving forward.

Step 3 is underway and will be completed in detail following a successful reception of the preliminary preferred solution with stakeholder and the public at PIC No. 3. The work under Step 3 includes additional outfall dispersion modelling for the preferred solution to refine the effluent limits and outfall design criteria.

At the completion of Step 3, a consolidated draft ACS report will be prepared and circulated to the MECP for review and comment. We have highlighted the proposed for the study below and hope to receive comment by end of summer 2020.

As part of the commitments discussed at the December 2019 agency meeting, the Class EA Study will require review by MECP of the Assimilative Capacity Study and ultimately agreement on the effluent criteria for the new plant. The Class EA study will document the comments and requirements resulting from the ACS. These requirements will be part of the preferred solution and preferred design concept.

It is proposed that the key ACS recommendations including the effluent limits and outfall design criteria for the preferred solution and preferred design concept will be presented at PIC No. 4.

As discussed at the December 2019 agency meeting, this multi-step approach was considered the most complete and appropriate approach given the complexity of this study. It was also considered the most cost-effective and time-effective approach to focus the detailed ACS analysis on the preferred site once the preliminary preferred solution has been vetted by the public and stakeholders. This is a good use of the project team effort and also reduces the review requirements of the MECP. It is recognized that any new information developed through the additional ACS analysis and any new comments and requirements resulting from the MECP review, will need to be incorporated into the Class EA process including the preferred solution and preferred design concepts.

The goal of the study is to hold PIC No. 4 in the fall of 2020. In order to achieve this timeline, the following schedule is proposed:

- | | |
|--|--------------------------|
| • PIC No. 3 | March 2020 |
| • Detailed modelling and ACS report update | March – April 2020 |
| • MECP review of the consolidated draft ACS report | May – August 2020 |
| • Incorporation of MECP comments | September – October 2020 |
| • PIC No. 4 | November 2020 |

We put forward this proposed schedule for MECP comment with hope that resources can be available to support this timeline.

South Niagara Falls Wastewater Solutions Class EA Study Commitments

As discussed at the December 2019 agency meeting, it was highlighted that the commitment to complete additional steps related to validating the preliminary preferred solution should be clearly documented at the PIC No. 3.

As noted above, there is additional site-specific studies as well as the additional detail for the ACS that will be completed for the preferred solution. We are committed to incorporating this additional information into the Class EA process and specifically to validate the preferred solution and guide the development and evaluation of the design concepts.

We will identify these project commitments at PIC No. 3 and bring back the result for presentation at PIC No. 4.

We have attached the PIC board highlighting these study commitments to be included in PIC No. 3 for your attention.

Closing

We continue to appreciate your coordination on this important study for Niagara Region and supporting municipalities.

We are currently compiling a package for PIC No. 3 including the PIC boards that will be sent to you for your information ahead of the PIC.

We trust this letter provided the following key information:

1. Overview of the Class EA process and timing
2. Confirmation of the approach for supporting studies including the Assimilative Capacity Study
3. Demonstration of the commitment to incorporate the supporting studies into the decision making of the study
4. Clarity on the proposed schedule to complete the study
5. Request for MECP review and identification of the proposed timing

Please provide any comment on this summary and specifically the suggested timeline for the ACS and the ability of MECP to support the review schedule.

Should you have any other comments, please contact the undersigned.

Yours truly,

GM BLUEPLAN ENGINEERING LIMITED

Per:



Chris Hamel, P.Eng.
President

cc: Lisa Vespi, Niagara Region Project Manager

Study Commitments

- The preliminary preferred solution has been selected based on multiple bottom line criteria and comparative evaluations
- Feedback from the PIC and from related agency and approval processes will be incorporated into development of the preferred solution
- Additional site specific investigations and studies will be completed in the next steps:
 - Stage 2 Archaeological
 - Environmental Site Assessment Investigations including contamination
 - Final Cultural Heritage Reports
 - Detailed Geotechnical and Hydrogeotechnical investigations
 - Final Traffic Impact Assessment
 - Final Noise and Odour Mitigation Reports
 - Assimilative Capacity Study Update (outfall and water body) based on MECP feedback and specific details on the preferred location
 - Updated Cost Estimates and Cost Benefit Analysis
- Using the site specific information, the preferred solution may be revised as appropriate before proceeding to development of the conceptual design details

The additional information is intended to support the selection of the preferred solution and guide the development of the design concepts. New information will be incorporated into the Class EA process.



Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Friday, May 22, 2020 3:16 PM
To: Slattery, Barbara (MECP); Spencer, Michael (MECP); Campbell, Sylvain (MECP)
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

Hi Barb,

Thank you for the prompt reply.

Ideally input to our process in early August would be ideal. We would like to provide your team at least 2 months for review. On this basis, we would like to establish a firm date for comments as Friday, August 7. Hopefully that can work.

I understand you were able to download the file. We would be pleased to print a hardcopy to send to you for your use. Please email me directly with the preferred address to send the document.

Thanks,

Chris Hamel, P.Eng.
President

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To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>; Spencer, Michael (MECP) <Michael.Spencer@ontario.ca>; Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

Hello Chris, am happy to report that all is well with me and my family....

Can you please provide me with a firm date by which you would like our comments on the updated ACS for the preferred location?

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Sent: May 22, 2020 12:25 PM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: South Niagara Falls Wastewater Solutions Class EA

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

Hi Barb,

I hope you are doing well and managing through these times.

Our Class EA has continued to progress. Please find the following update:

1. We were able to hold our PIC #3 (end of Phase 2) on March 11. This was done in person (just before all closures!) as well as through Facebook Live. All content is accessible online.
2. Based on our work to date and positive feedback through the PIC, we have selected our preferred site, discharge location and collection system strategy.
3. We have acknowledged the additional level of detail that is ongoing will support the preferred solution.
4. We are moving forward into Phase 3 of the Class EA with design concepts.
5. We still intend to hold PIC #4 (Phase 3) in the fall of 2020 (format to be confirmed).
6. Our team is moving forward based on this schedule.

As previously discussed, a key element of the study is the Assimilative Capacity Study and the proposed effluent discharge criteria. Based on the preferred solution developed under Phase 2, we have updated the ACS study. We are providing a link to the ACS study to MECP for review and comment. We exchanged emails in February 2020 and provided a project process letter regarding our project schedule. We advised at that time that the ACS would be submitted in May. We are hoping the MECP will endeavor to meet a review schedule as soon as possible with feedback by end of summer. We are hoping to integrate the final ACS details in early fall 2020.

Please download the ACS report here:

Filename: [05-22-20_1222_18104462-R-Rev0-21May2020_Detailed_ACS.pdf](#)

Size: 10.9 MB

Description: SNF WWS Class EA ACS

Please confirm you are able to download the document. Please advise on the review schedule at your earliest convenience.

We appreciate your continued coordination during this study.

Thanks,

Chris Hamel, P.Eng.
President

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Danielle MacKinnon - GM BluePlan

Subject: RE: South Niagara Falls Wastewater Solutions Class EA

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: Thursday, July 30, 2020 9:56 AM
To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Cc: Vespi, Lisa (Lisa.Vespi@niagararegion.ca) <Lisa.Vespi@niagararegion.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

Good morning Chris and Lisa,

I am pleased to advise that we have completed our review of the *South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Detailed Assimilative Capacity Study, Niagara Region, Golder Associates Ltd., May 21, 2020.* and offer the following comments for your consideration and action:

Comments

1. Table 36 in Section 5.0 Conclusions of the report summarized the following recommended Environmental Compliance Approval (ECA) effluent criteria.

Parameters	Effluent Objectives	Effluent Limits
CBOD (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25
Total Ammonia Nitrogen (mg/L)		
May to Oct	6.5	8.8
Nov to April	12	15
Total Phosphorus (mg/L)	0.5	0.75
<i>E.coli</i> (cfu/100mL)	200	200

- (a) The proposed ECA effluent objectives and limits for BOD, total suspended solids, total ammonia nitrogen and total phosphorus are acceptable.
- (b) The ECA effluent limit for *E.coli* is acceptable. However, the standard *E.coli* effluent objective of 100 cfu/100mL should be used.
- (c) The ECA should also include the common pH effluent objective range of 6.5 to 8.5 (PWQO) and limit of 6.0 to 9.0.

Conclusion

Overall the Region of Niagara South Niagara Wastewater Treatment Plant “Detailed Assimilative Capacity Study” (Golder, May 2020) is acceptable with incorporation of the above comments. The Schedule C Class Environmental Assessment can proceed accordingly.

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Slattery, Barbara (MECP)
Sent: June 04, 2020 3:59 PM
To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

Thank you so much. I will let you know when our review will be nearing completion.

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Sent: June 04, 2020 3:53 PM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

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

yes

Chris Hamel, P.Eng.
President

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From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: Thursday, June 04, 2020 3:53 PM
To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

To my home correct?

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(905) 521-7864

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Sent: June 04, 2020 3:51 PM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>; Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Subject: RE: South Niagara Falls Wastewater Solutions Class EA

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Hi Barb and Sylvain,

the hard copies have now been sent out.

Thanks,

Chris Hamel, P.Eng.
President

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Size: 10.9 MB

Description: SNF WWS Class EA ACS

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We appreciate your continued coordination during this study.

Thanks,

Chris Hamel, P.Eng.

President

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Danielle MacKinnon - GM BluePlan

From: Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Sent: Tuesday, December 01, 2020 11:03 AM
To: Danielle MacKinnon - GM BluePlan
Subject: RE: New South Niagara Falls WPCP

Follow Up Flag: Follow up
Flag Status: Flagged

Thank you,

Sylvain

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: December 1, 2020 10:51 AM
To: Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Cc: Simpson, Wayne (MECP) <Wayne.Simpson@ontario.ca>; Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Subject: RE: New South Niagara Falls WPCP

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

Hi Sylvain,

Thank you for the email. I have forwarded Wayne the January 19th meeting invite and will continue to include him on South Niagara Falls WW Solutions Schedule C Class EA discussions moving forward.

Regards,

Danielle MacKinnon, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Campbell, Sylvain (MECP) <sylvain.campbell@ontario.ca>
Sent: Tuesday, December 01, 2020 9:36 AM
To: Danielle Anders - GM BluePlan <Danielle.Anders@gmblueplan.ca>
Cc: Simpson, Wayne (MECP) <Wayne.Simpson@ontario.ca>; Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Subject: FW: New South Niagara Falls WPCP

Hi Danielle,

Could you include Wayne Simpson, one of our Approvals Senior Wastewater Engineers, in future discussions about the future South Niagara Falls WPCP? I would appreciate if you could forward your invite to the Solutions Schedule C Class EA meeting on January 19th, 2021 to him. I copied him on this e-mail for your convenience.

Thank you,

Sylvain

N O T I C E - This message from GM BluePlan Engineering Limited is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and delete the message from your computer systems.

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Wednesday, February 03, 2021 9:19 AM
To: Chris Hamel - GM BluePlan; Chris Campbell - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca; yanhong.du@ontario.ca
Cc: jennifer.harvard@ontario.ca; ngreen@npca.ca; ke.jones@opg.com; alison.bradley@opg.com
Subject: RE: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
Attachments: SNFWWS - Agency Update Minutes 20210119 (DRAFT).pdf

Hi All,

Thank you for participating in the South Niagara Falls Wastewater Solutions Class EA – Agency Update Meeting on January 19th, 2021. Please find the meeting minutes attached for your review and record.

For proposed meeting minute revisions, please download the following document and respond to this email with any tracked changes: [https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS - Agency Update Minutes 20210119 \(DRAFT\).docx](https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS_-_Agency_Update_Minutes_20210119_(DRAFT).docx)

If you have any comments or questions please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



-----Original Appointment-----

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, November 20, 2020 12:29 PM
To: Danielle MacKinnon - GM BluePlan; Chris Hamel - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; ke.jones@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca
Subject: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
When: Tuesday, January 19, 2021 1:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: GoTo Meeting

Thank you for your continued participation in the *South Niagara Falls WW Solutions Schedule C Class EA*. Please join using the GoTo Meeting details below, to walk through preliminary design concepts for the new South Niagara Falls WWTP site and related sewer components.

This invite has been extended to the following groups: Ministry of the Environment, Conservation and Parks; Niagara Peninsula Conservation Authority; Ministry of Natural Resources and Forestry; and Ontario Power Generation. This meeting will look for your initial feedback and input ahead of our next Public Information Centre, anticipated for early Spring 2021.

SNFWWS - Design Concept Review

Tue, Jan 19, 2021 1:00 PM - 3:30 PM (EST)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/261552037>

You can also dial in using your phone.

Canada: [+1 \(647\) 497-9373](tel:+16474979373)

Access Code: 261-552-037

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/261552037>

Meeting Minutes: Agency Class EA Update South Niagara Falls Wastewater Solutions Class Environmental Assessment

Meeting Date: 2021/01/19
Location/Time: GoTo Meeting 1:00 – 3:30 p.m.
Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2021/01/19

Attendance

Chair: Chris Hamel (GM BluePlan)
Attendees: Chris Hamel (GMBP), Danielle MacKinnon (GMBP), Troy Briggs (CIMA), Robert Fleeton (Advisor), Lisa Vespi (RMON), Jade Anema (RMON), Robert Daw (RMON), Tony Cimino (RMON), Barbara Slattery (MECP), Sylvain Campbell (MECP), Michael Spencer (MECP), Yanhong Du (MECP), Wayne Simpson (MECP), Joshua Diamond (NPCA), David Deluce (NPCA), Adam Aldworth (NPCA), Kent Keeler (OPG), Jo-Ann Kinnear (OPG), Meredith Crouch (OPG)
Regrets: Jennifer Harvard (MNRF), Natalie Green (NPCA), Alison Bradley (OPG), Kevin Jones (OPG)

Items Discussed for Information

1. Meeting Context

- To provide an update on the South Niagara Falls WW Solutions Schedule C Class EA including the preferred wastewater treatment plant site (6811 and 7047 Reixinger Road), plant outfall location (Chippawa Creek), and sewer alignment components. In the last year, the project team has undertaken Phase 3 Class EA investigations to support the decision-making process.

2. Preferred Site

- The overall preferred solution including a larger boundary for the selected wastewater treatment plant site was presented at the study's Public Information Centre (PIC) in March 2020, wrapping up the Phase 2 EA process.
- The Phase 3 EA process included further field investigations on the preferred site to refine the plant layout within the site. This information refined the site layout with known archaeological and environmental constraints. A map illustrating archaeological constraints was presented to attendees (see presentation).
- Archaeological findings at a Stage 2 level have a mandatory setback of 20m. There is a total setback of 50m from findings, which require committing to next step investigations (i.e. Stage 3, potential Stage 4 archaeological assessments) to clear.
- Results show archaeological findings extending along the full northern portion of the preferred site. The south portion of World Peace (7047 Reixinger Road) is cleared from findings. Expecting the same clearing with south Crawford (6811 Reixinger Road) lands but require a Stage 2 archaeological assessment for confirmation.
- Air, odour, and noise receptors have been modelled and show findings well within the Ministry's nuisance guidelines. Siting along the eastern portion of site is currently favourable to have greater buffer from existing and potential future residential/mixed use. This report will be finalized and included within the Environmental Study Report (ESR) for Ministry review.

- Team revisited the Phase 2 evaluation of site alternatives and have confirmed that “Site 8” would still be selected as the preferred site, even with new findings. Now confirming and refining greater level of detail with site and treatment requirements to select the best available plant layout.

3. Plant Outfall

- Preferred outfall methodology is being recommended as open-cut to shoreline. This will require committing to Stage 3 & 4 archaeological assessments for cleared corridor and working area at the shoreline to support construction.
- The open-cut concept will require a staging area for construction. This methodology will minimize in water work. There will be staging required to connect outfall on-land and sink the outfall to river bottom (approximately 12m deep). Outfall sinking process expected to take less than 2 days. Approach will be consistent with the previous Assimilative Capacity Study (ACS), but ongoing work is needed for approval prior to implementation.

4. Sewer Strategy

- 3 trunk sewer alignments were evaluated: OPG Corridor, Oakwood Drive, and Montrose Road (see presentation for overview).
- When balancing environmental factors, tunnel length between shaft locations, ability to maximize gravity, support for future connections (including new Hospital), distance from public parks, MTO setbacks from QEW, etc., Montrose Road was selected as the preferred trunk sewer alignment.
- Montrose provides a direct alignment to connect/decommission existing SPSs including Grassy Brook, Garner Road, and High Lift. There is also flexibility to decommission Oakwood as a provisional item. Decommission of existing SPSs will support wet weather management practices.
- Montrose alignment will be within right-of-way along Montrose Road, eliminating need for temporary closures within travelled portion. Two temporary closures are required on side roads, including Brown Road and Reixinger Road, to support construction of shaft locations.
- Team has coordinated local servicing needs with the Region’s transportation team to ensure Montrose, south of Reixinger Road, is in place to support new hospital.

5. Agency Q&A Period

- **Q1: Will there be one SPS from Thorold to the new plant? Is Peel still going to Port Weller?**
With the proposed strategy, Peel Street will no longer pump north, and will instead pump south to a new Black Horse SPS. Black Horse SPS will then pump collected sewage to the new WWTP. This allows greater collection of Thorold South and reduces capacity concerns in Port Weller.
- **Q2: Any H₂S (Hydrogen Sulfide) concerns with Boreholes?**
Team is aware of existing issues with H₂S in general South Niagara Falls. Information to date has not showed significant concerns/sources of H₂S but will be covered in EA following completion of borehole investigations. Additional information is still being collected.
- **Q3: Is the proposed trunk sewer discharging to the proposed South Niagara Falls WWTP to be a sanitary trunk sewer or to receive combined sewage?**
The trunk sewer is formally identified as a sanitary sewer that will connect the existing areas of Niagara Falls and Thorold South. Based on the contributing service areas, this sanitary trunk sewer will look to support management of wet weather flows (WWF) to the new WWTP.

- **Q4: Will the new WWTP possibly cause issues with the future South Niagara Falls Hospital?**
 The new Niagara Falls Hospital is located south of the Welland River and just west of the QEW. Region continues to coordinate ongoing studies with the health team to meet servicing needs. Preliminary indication shows hospital to be complete in 2026, while the new WWTP looks to be in-service in 2027. The existing wastewater system will be used to provide interim servicing to support the Hospital before the new plant is operational.
- **Q5: Any concerns for odour, air, noise?**
 Our team has completed preliminary air, odour, and noise modelling which shows we can mitigate and manage discharge within the plant site itself. Locating facilities further east within the preferred site will provide additional buffer from existing receptors (i.e. residential/public parks, etc.). Modelling will be refined and included in the final ESR to show how discharge will be managed and controlled.
- **Q6: Advise to the actual separation distance that will be provided to sensitive receptors at the tentative new WWTP site?**
 Exact distance (in metres) will be included in the air, odour, and noise modelling report. This report will form part of the ESR submission for review and comment.
- **Q7: What chemicals will be stored on site?**
 Team is currently working with the Region to refine facilities within the site, which will note on-site chemicals. Chemicals will be stored within close proximity to their uses (i.e. chemicals for phosphorous removal near headworks building).
- **Q8: Have the proposed effluent requirements (that the sewage treatment technologies review bases on) been communicated with and accepted by MECP's regional surface water specialist?**
 The study's Assimilative Capacity Study was previously submitted, and comments were received from MECP. These limits were used to select and design the treatment train proposed for the facility.
- **Q9: How are the wine waste and sewage trucks going to the new WWTP?**
 The new WWTP will be provided with a septage/wine waste receiving station at the inlet. The existing road network including Montrose Road and Lyons Creek Road will support truck traffic to the site. Plant layout will facilitate truck traffic and avoid entrance into the facility limits.
- **Q10: Confirm if the plant outfall receiving waterbody is Welland River or Chippawa Creek?**
 The plant outfall will be discharging to Chippawa Creek which is the water body east of "triangle island" and normally conveying flows to the Hydro Electric Power Canal.
- **Q11: Thoughts on managing and controlling wet weather in the sewer network/trunk sewer system to reduce the amount of WWF to the new WWTP?**
 We anticipate the cost-effective diameter will provide storage to better manage WWF. We also see opportunity to pick up and improve WWF with review of connections of separated sewers. By diverting flows south, we will free up capacity in northern collection system and provide net benefit on wet weather control. Documentation of the wet weather management benefit will be provided.
- **Q12: Has team reviewed existing flows at High Lift SPS to see if new WWTP can take WWF from this station and the Thorold SPSs?**
 Existing and projected total peak flows have been used to size the trunk sewer and treatment plant. In relation to overall wet weather management and peak flows, there are also related ongoing City of Niagara Falls and Niagara Region studies/initiatives to target and reduce inflow and infiltration that will also benefit the flow needs. Team notes Niagara Falls was just recently

awarded a 3-year CCTV contact that will first look to review Chippawa and South Niagara Falls.

- **Q13: Comment on input received from Indigenous Communities to-date? Emphasis to highlight Indigenous consultation points within the ESR.**

Our team has consulted the 3 identified Indigenous Communities (Mississaugas of the New Credit, Six Nations, and HDI) throughout the EA process. Region provided direct calls and mailings at Notice of Commencement; baseline reports were submitted for review (Stage 1 Archaeological Assessment, Baseline Natural Environment, Cultural Heritage Screening); and notices for 3 previous PICs. The indigenous communities have been directly invited with some participation in Stage 2 archaeological site investigations. Project Team will document all communications clearly within the ESR.

- **Q14: Do you require up-to-date (2020) water quality data from NPCA?**
This information will be helpful from planning perspective. Danielle (GMBP) to follow-up with Joshua Diamond (NPCA) to receive data.
- **Q15: Any concerns for Manholes causing odour problems for new South Niagara Hospital?**
Odour problems are not anticipated. Odour management for the trunk sewer will continue to be reviewed as the trunk sewer moves forward to detailed design.

6. Agency Feedback

- It is currently Ministry practice to request the opportunity to review a draft ESR. To maintain project timelines, it is advised to submit the draft ESR when available to address MECP comments prior to issuing the Notice of Completion. MECP provides good value to the process especially in terms of providing advice for the approval requirements to allow that process to proceed after the EA has been completed.
- MECP recommends identifying potential H₂S sources. Recommends completing boreholes under forcemain or WWTP site to avoid any surprises. Region is currently testing monitoring wells for methane to know worst case scenarios. Detailed design will investigate this further to identify potential issues.
- MECP notes that for construction Region will need to submit a dewatering permit to take water. Engineering treatment will require ECA approval. Known sources of H₂S will also require approval.
- MECP notes that if there is substantial combined sewage flow contributed to the new trunk sewer, the sewage collection and treatment system will need to be designed to meet Procedure F-5-5 in terms of volume and water quality control.
- No further questions at this time from NPCA planning team. Will look to review the ESR.
- No concerns at this time from OPG. The preferred alignment of Montrose Road and outfall to Chippawa Creek (rather than within Hydro Electric Power Canal) avoids majority of conflicts. Project will now only require crossing small portion of OPG lands.

7. Next Steps

- Project team to review and incorporate today's comments into the ESR.
- Property owner meetings over the next few months will look to refine the site layout. Once confirmed, team will present publicly at PIC No. 4.
- Anticipate submitting ESR for agency review in late Spring 2021.

Items in Agreement

- Information presented today (emphasis on archaeological findings and preferred site layout) has not been made publicly available. We appreciate keeping this information confidential until formally presented at the next PIC, anticipated for late March 2021.
- Project team will provide agencies with the ESR as soon as it's available. Team notes that early submission will allow for review/comments to be addressed prior to Notice of Completion.
- There were no overall concerns raised at this time from the stakeholder group on the preliminary recommendations of the Class EA.

Action Items	Action By
<ul style="list-style-type: none"> • Danielle (GMBP) and Joshua Diamond (NPCA) to coordinate receiving available 2020 water quality data. • ESR will include feedback from today: clear documentation of indigenous consultation; wet weather management; H2S sources/consideration; list of chemical storage on site; clarity on sensitive air/odour/noise receptors; and new Hospital servicing opportunities. 	<p>DM / JD (Complete)</p> <p>GMBP/RMON</p>

[Click here to enter text.](#)

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

Danielle MacKinnon - GM BluePlan

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: Friday, March 19, 2021 10:22 AM
To: Danielle MacKinnon - GM BluePlan; Del Villar Cuicas, Joan (MECP)
Cc: Chris Hamel - GM BluePlan
Subject: RE: MECP Contact - South Niagara Falls WW Solutions Class EA

Good morning to you both. Yes, my successor to the role of REAC for WCR will be Joan Del Villar. She begins next Monday and will be shadowing me until my last day of March 31st. So please add her to your list. As for the new EA that the Region will be undertaking, the Notice of Commencement only needs to be sent to the WCR designated email address: eanotification.wcregion@ontario.ca

Joan will be monitoring that address on a daily basis and will loop in the other staff that may have a role in the EA process as it unfolds. "Regular" emails where you may be asking questions etc. would be sent directly to Joan.

Hope that helps. It has been a pleasure to work with you and I wish you both all the best in all your endeavours.

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(365) 366-8185

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: March 19, 2021 9:50 AM
To: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Cc: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: MECP Contact - South Niagara Falls WW Solutions Class EA

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

Good morning Barb,

I hope you're well. This email is regarding Niagara Region's ongoing South Niagara Falls Wastewater Solutions Class EA. You had mentioned a few months ago that you'll soon be leaving your role with MECP. Our study's remaining MECP contacts include: Sylvain Campbell, Michael Spencer, Wayne Simpson and Yanhong Du. Is there a named EA coordinator we should include in future project correspondence?

As an aside, next month we are commencing Niagara Region's 2021 Water & Wastewater Master Servicing Plan Update. We will submit through MECP's West Central email to receive our official contact & list of Indigenous Communities.

Based on project proximity to the South Niagara Falls Class EA would you recommend sending this Notice of Commencement to all 4 MECP contacts listed above?

Thanks again for assistance throughout this Class EA process, it's been very appreciated.

Kind regards,

Danielle MacKinnon, P. Eng.

Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3

c: 416.859.5840

danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



N O T I C E - This message from GM BluePlan Engineering Limited is intended only for the use of the individual or entity to which it is addressed and may contain information which is privileged, confidential or proprietary. Internet communications cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, arrive late or contain viruses. By communicating with us via e-mail, you accept such risks. When addressed to our clients, any information, drawings, opinions or advice (collectively, "information") contained in this e-mail is subject to the terms and conditions expressed in the governing agreements. Where no such agreement exists, the recipient shall neither rely upon nor disclose to others, such information without our written consent. Unless otherwise agreed, we do not assume any liability with respect to the accuracy or completeness of the information set out in this e-mail. If you have received this message in error, please notify us immediately by return e-mail and delete the message from your computer systems.

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Thursday, January 27, 2022 10:01 AM
Cc: new.treatment.plant@niagararegion.ca
Subject: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA
Attachments: Niagara Region, South Niagara Falls Wastewater Solutions Class EA - Notice of PIC 4.pdf

To Whom It May Concern,

Attached is a Notice of Public Information Centre (PIC) #4 for the Niagara Region – South Niagara Falls Wastewater Solutions Class Environmental Assessment (Schedule C).

PIC #4 will present design concepts for:

- The recommended new wastewater treatment plant site at 6811 Reixinger Road, Niagara Falls, ON;
- Plant outfall location to Welland River East; and,
- Associated sewer strategy and alignments for Montrose Road and Thorold South.

The Region will host a live virtual presentation on **Wednesday, Feb. 9, 2022 from 6-7pm**. To attend this presentation, **please register using the link below:**

https://us06web.zoom.us/webinar/register/WN_sGa1czn8QTynKB2KMU1ICQ

PIC #4 material will be available on the project website beginning Feb. 9, 2022. A recording of the live presentation will be accessible following the scheduled event through the project website linked below:

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>

Should you have questions regarding this study, please contact the Region Project Manager, Lisa Vespi (New.Treatment.Plant@niagararegion.ca)

Sincerely,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



**NOTICE OF PUBLIC INFORMATION CENTRE #4
SOUTH NIAGARA FALLS
WASTEWATER SOLUTIONS
MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT**

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

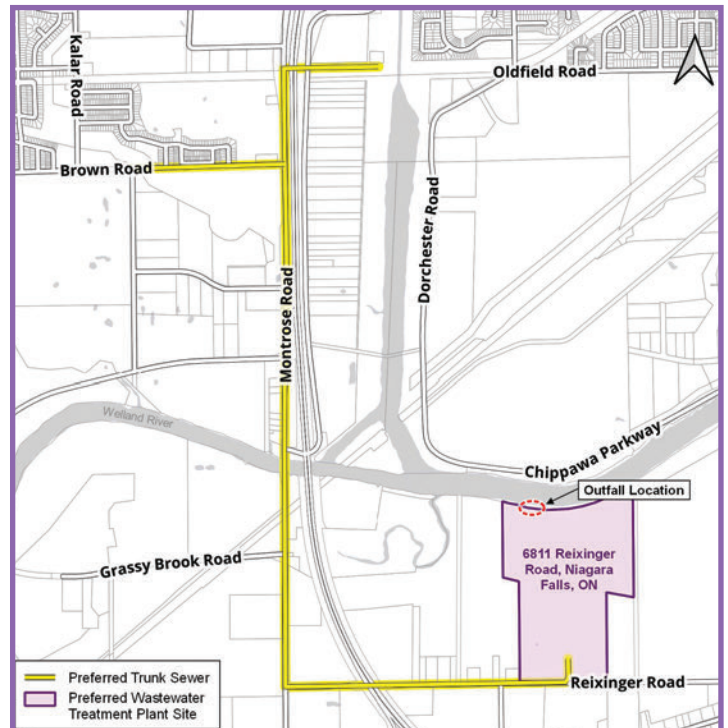
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.
niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

If you require any accommodations to participate, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act. The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

V4.8.3

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Ministry of Tourism, Culture and Sport (formerly the Ministry of
Heritage, Sport, Tourism and Culture Industries)

NOTICE OF STUDY COMMENCEMENT SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

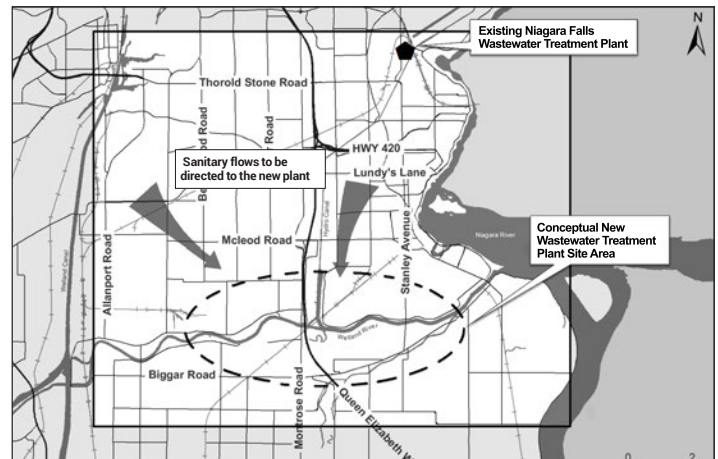
WHAT IS THIS STUDY ALL ABOUT?

There is significant residential and employment growth planned for Niagara Region and specifically for South Niagara, including areas in Niagara Falls and Thorold South. As we grow and build new communities, create new jobs, and invest in new facilities like schools and hospitals, investment is needed to plan and build our infrastructure. South Niagara will require a new wastewater treatment plant and will require upgrading our sewer system to support growth and protect the environment.

This study is about more than just constructing a new wastewater treatment plant. It is about a holistic solution to make improvements to the full wastewater systems in the area. It is about balancing the needs of growth with the protection and preservation of natural and heritage resources. It is also about the Region's investment in tomorrow to make sure we have the infrastructure we need to serve the current and future residents and businesses in the region.

WHY IS A NEW WASTEWATER TREATMENT PLANT NEEDED?

Niagara Region undertook an integrated process called "Niagara 2041" where the Region looked at growth planning, water and wastewater infrastructure and transportation all together to establish a plan for Niagara's future. "Niagara 2041" identified significant opportunity for growth in the South Niagara area. Under this



The EA will be studying the wastewater system within the boxed area on the map. The location for the new plant will be identified within the dotted circle area.

process, the 2016 Water and Wastewater Master Servicing Plan (MSP) Update was completed. A key recommendation of the MSP Update was to establish a new wastewater treatment plant in South Niagara and have the sewer systems in the southern area convey flows to this new facility (indicated by the arrows on the map). Region Council and Niagara Falls Council adopted these recommendations in 2017.

This Study will investigate alternative long-term servicing solutions for a new wastewater treatment plant and associated wastewater collection system. The Study will confirm the overall strategy. It will identify the preferred site for the new plant. It will identify the sewer routes in the area. It will select the preferred technology and construction requirements, and it will demonstrate the timing for design and construction.

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

WHAT IS THE PROCESS FOR THIS STUDY?

This Study is being undertaken as a Schedule 'C' Class EA, satisfying all phases in accordance with the Municipal Class Environmental Assessment (MEA) process (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

The Class EA process is a transparent process that will clearly demonstrate the decision making of where the new wastewater treatment plant will be located, what sewer infrastructure is needed, how the natural, social and cultural environments will be protected, how the infrastructure will be constructed, and the costs of the recommendations. Public, stakeholder and agency participation is critical and mandated. Niagara Region will engage and consult with these groups through each step.

HOW CAN I PARTICIPATE IN THIS STUDY?

It is expected that the Study will take approximately two years to complete. Public input and comments are encouraged throughout the EA. There are three sets of Public Information Centre (PIC) meetings planned through the course of the Study. These meetings are planned for Spring 2019, Fall 2019 and Spring 2020 where Region representatives will be available to introduce the Study, answer questions and discuss next steps.

There is also an opportunity at any time during the study process for members of the public to provide comments and concerns to the attention of the project managers. With the exception of personal information, all comments received during the process will become part of the public record of the study.

For project information, visit niagararegion.ca/projects/south-niagara-falls-treatment-plant. If you wish to receive future project notifications by email, please send your request to newtreatmentplant@niagararegion.ca.

If you wish to submit comments, please use the online form on the project webpage or contact us:

Ms. Lisa Vespi
Niagara Region Project Manager
Niagara Region
1815 Sir Isaac Brock Way
Thorold, Ontario, L2V 4T7
905.980.6000 ext. 3640
newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416.703.0667 | chris.hamel@gmblueplan.ca

Niagara Region is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons of disability. Please contact the Project Manager if you need any accommodation to provide comments or feedback for this study. This notice was first issued on April 4, 2019.

NOTICE OF PUBLIC INFORMATION CENTRE NO. 1 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

We want to hear from you. Get involved in Niagara's future.

THE STUDY

Niagara Region is planning ahead. We are working with the cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls, and to improve the sewer system.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre (PIC) to learn more about the study.

Date: Tuesday May 28, 2019

Time: 5:00 to 8:00 p.m.

Location: Boys & Girls Club of Niagara
8800 McLeod Road, Niagara Falls, ON
L2H 0Y8

Format: Open House with information on display

You can meet members of the project team to discuss the Environmental Assessment process and the need for this project, understand the Region's current wastewater servicing and treatment, learn how you can be engaged, and provide feedback on what's most important to you.

PROJECT BENEFITS:

- Better protect the environment
- Create new jobs and infrastructure to support new local investment
- Ensure our management of wastewater is more efficient and effective

LEARN MORE

If you would like more information about the project or to provide feedback, please contact:

Ms. Lisa Vespi, P.Eng., PMP
Niagara Region Project Manager
Regional Municipality of Niagara
1815 Sir Isaac Brock Way
Thorold, Ontario, L2V 4T7
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
Phone: 416.703.0667
Email: chris.hamel@gmblueplan.ca

Or visit niagararegion.ca/projects/south-niagara-falls-treatment-plant

This notice was first issued on May 9, 2019.

Niagara Region is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons of disability. Please contact Lisa Vespi if you need any accommodation to provide comments or feedback for this study.

NOTICE OF PUBLIC INFORMATION CENTRE #2 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

We want to hear from you. Get involved in Niagara's future.

THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre (PIC) to learn more about the study.

Date: Wednesday Nov. 20, 2019

Time: 5 - 7 p.m.

Location: MacBain Community Centre
(Coronation Room) - 7150 Montrose
Road, Niagara Falls, ON L2H 3N3

Format: Open House

Facebook Live Video: 3 - 4 p.m.

View video by visiting Niagara Region's Facebook page

The public will be able to see the long list of potential sites for the new wastewater treatment plant as well as have the chance to comment and provide input into the evaluation process and criteria. Your feedback will help the team evaluate the preferred site, outfall location and sewer routes.

This notice was first issued on Nov. 7, 2019.

PROJECT BENEFITS:

- Better protect the environment
- Create new jobs and infrastructure to support new local investment
- Ensure our management of wastewater is more efficient and effective

CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Niagara Region Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
Phone: 416-703-0667
Email: Chris.Hamel@gmblueplan.ca

If you require any accommodations for a disability in order to attend and participate in meetings or events, contact the Niagara Region's Accessibility Coordinator at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

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

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
 Project Manager, Niagara Region
 905.980.6000 ext. 3640
 New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
 Project Manager, GM BluePlan Engineering
 416.703.0667
 Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3

NOTICE OF PUBLIC INFORMATION CENTRE #3 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

COME VIEW THE PRELIMINARY PREFERRED SOLUTION

ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study.

The Region will be presenting the preliminary preferred solution including **the proposed wastewater treatment plant site, associated sewer strategy and plant discharge location**. The public will have the opportunity to speak to the Project team, and provide comments and input on the preferred solution.

Wednesday, March 11, 2020 | 5 – 7 p.m.

MacBain Community Centre,
Multi-purpose Room D and E

7150 Montrose Road, Niagara Falls, ON
L2H 3N3

Facebook Live Video: 3 – 4 p.m.
View video by visiting Niagara Region's
Facebook page

CONTACT

Ms. Lisa Vespi, P.Eng., PMP

Project Manager

Niagara Region

3501 Schmon Parkway, PO Box 1042

Thorold, Ontario, L2V 4T7

905-980-6000 ext. 3640

New.Treatment.Plant@niagararegion.ca

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Vaughan, Ontario, L4K 4M3

416-703-0667

Chris.Hamel@gmblueplan.ca

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Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

This notice was first issued on Feb. 27, 2020



20 May 2020

Administrative Coordinator
Ministry of Heritage, Sport, Tourism and Culture Industries
Culture Division
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7

Re: Request for Expedited Review – P468-0036-2019

Dear Administrative Coordinator,

We have given Golder Associates Ltd. direction to request an expedited review of the following report:

Stage 1 Archaeological Assessment: South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario

The project was carried out under the license of Rhiannon Fisher, M.Sc., RPA (P468)

GM BluePlan Engineering Ltd. wishes to proceed with submitting the Stage 1 report to obtain a letter citing review and acceptance of the above report into the Provincial Register of Reports as it is required to allow for planning prior to development. Please note this is an original report.

We request your review and processing before **June 26, 2020** in order to allow for sufficient time for planning and any additional fieldwork that may be required prior to development.

We thank you for your assistance with this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris Campbell', written over a light blue horizontal line.

Chris Campbell, MTP, MCIP, RPP, MRTPI
GM BluePlan Engineering Limited, Partner
3300 Highway 7
Vaughan, Ontario
L4K 4M3

**Ministry of Heritage, Sport, Tourism, Culture
Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (519) 671-7742
Email: Shari.Prowse@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (519) 671-7742
Email: Shari.Prowse@ontario.ca



Jul 27, 2020

Rhiannon Fisher (P468)
Golder Associates Ltd.
100 - 6925 Century Mississauga ON L5N7K2

RE: Review of the Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario", Dated May 13, 2020, Filed with MTCS Toronto Office on May 21, 2020, MTCS Project Information Form Number P468-0036-2019, MTCS File Number 0010857

Dear Ms. Fisher:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18. This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

In reviewing this report, this ministry notes that specific standards have not been adequately addressed or addressed to the ministry's satisfaction.¹ Please file a revised report that resolves the following fieldwork and/or reporting issues:

1.A portion of Parcel 8 of the subject property has already had an archaeological assessment (see P066-0210-2014). While the report under review does note the presence of some of the sites documented during the previous assessment, AgGs-50 was not listed in the current report as being on the property.

It was also recognized during the review that the mapped location of these sites may not be correct and the administrator of site database has been informed of these errors and they will be addressed ASAP. Please note that if archaeological sites are located with a subject property under assessment, the background research must include a summary of the sites and the recommendations for these sites including additional fieldwork requirements. Please revise the report to include the necessary information from the related Stage 1-2 archaeological assessment report and include any outstanding relevant recommendations in recommendations section of this report (see Section 7.5.8 Standards 4 and 5).

2. The report indicates that the Dell Family Cemetery established in the mid-19th century is located adjacent to the subject property, however, the report did not discuss if there is potential for the cemetery to extend into the subject property. As such, please provide detailed background research for the cemetery regarding its historic boundaries and the potential burials to extend beyond the currently assumed boundaries (See Section 7.5.8 Standard 6 and 7). Information on the boundaries of a cemetery can be obtained from the cemetery owner and archival research (e.g. newspapers, historic mapping, burial plot maps, orders in council) and online resources, for example, the Ontario Genealogical Society. Information about the cemetery owner can be found through a search of the Public Register at the Bereavement Authority of Ontario's website which can be accessed through the following link:

<https://licensees.bereavementauthorityontario.ca/public-register>

If a determination of the limits cannot be made based on this research, the Bereavement Authority of Ontario may be able to assist. If there is potential for the cemetery to extend beyond the current fence/property line because the boundaries are not clear, an Investigation Authorization from the Bereavement Authority of Ontario may be required for any "invasive" (e.g. Stages 2-4) fieldwork. For more information go to: <https://thebao.ca/archaeological-assessments-investigations-on-cemetery-lands/> (Condition # 6 and # 7 of the Terms and Conditions of Licence). Please ensure that this is included in the recommendations if an Investigation Authorization is required.

3. The report indicates that the findings for archaeological potential are consistent with mapping illustrating areas of archaeological potential as depicted on the Niagara Falls Heritage Master Plan. Please provide the mapping from the master plan demonstrating this (see Section 1.1 Standard 1, Section 7.5.12 Standard 4c and Section 7.5.8 Standard 7).

A revised report must be filed by the ministry on or before Oct 26, 2020. Once a revised report is received, it will be reviewed and a response provided. Please note that licensees who fail to file reports by the specified report filing deadline will be in violation of the terms and conditions of their licence.

If the concerns identified are not fully addressed by the date noted above the report may be deemed incomplete or non-compliant. Incomplete or non-compliant reports may impact a licensee's record of compliance.

Please note that a licensee's record of compliance will be taken into account by the ministry at the time of any licensing decisions.

Should you require any further information regarding this matter, please feel free to contact me.

For further information and guidance, please see the *Project Information Forms and the Report Review Process Bulletin*, the *Standards and Guidelines*, and the *Terms and Conditions for Archaeological Licences* by visiting the ministry's website www.ontario.ca/archaeology.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer

¹*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) from the incompleteness, non-compliance or inaccuracies of this Report; (b) from reliance on this Report; or (c) from the issuance of this letter. Further measures are required as this Report is found to be incomplete at this time.*

Danielle MacKinnon - GM BluePlan

Subject: RE: ENTERED INTO REGISTER: Archaeological Report for P468-0036-2019 / *

----- Original message -----

From: pastport <pastport@ontario.ca>

Date: 2021-05-27 22:45 (GMT-05:00)

To: rhiannon.fisher3@gmail.com

Cc: lisa.vespi@niagararegion.ca, lisa.vespi@niagararegion.ca, PastPort@ontario.ca

Subject: ENTERED INTO REGISTER: Archaeological Report for P468-0036-2019 / *

Dear Rhiannon Fisher,

The ministry has reviewed the Revised report for PIF P468-0036-2019 submitted by you as a condition of your licence.

This report has been deemed compliant with ministry requirements for archaeological fieldwork and reporting. It has been entered into the *Ontario Public Register of Archaeological Reports*. Please refer to the attached letter to see the result of this review.

Note: the ministry makes no representation or warrant as to the completeness, accuracy or quality of reports in the register.

Development proponents and approval authorities: the Ontario Ministry of Heritage, Sport, Tourism and Culture Industries has copied you on this email as you have been identified by the consultant archaeologist as either the proponent or approval authority for this project.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Shari Prowse

Shari.Prowse@ontario.ca

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (519) 671-7742
Email: Shari.Prowse@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (519) 671-7742
Email: Shari.Prowse@ontario.ca



May 27, 2021

Rhiannon Fisher (P468)
Golder Associates Ltd.
100 - 6925 Century Mississauga ON L5N7K2

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario", Dated Apr 29, 2021, Filed with MHSTCI Toronto Office on May 12, 2021, MHSTCI Project Information Form Number P468-0036-2019, MHSTCI File Number 0010857

Dear Ms. Fisher:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18.¹ This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the Stage 1 assessment of the study area as depicted in Map 7 and 8 of the above titled report and recommends the following:

1. Lands that have been previously subject to archaeological assessment(s) and cleared by the MHSTCI of further archaeological concern are recommended to be exempt from further assessment (Amec Foster Wheeler 2016, 2017a, 2017b). Within the Project Area this includes Site of Interest 6, Site of Interest 7, and Site of Interest 9 as shown in Map 7 and Map 8. The western portion of Site of Interest 8 has also been previously assessed; however, further work (Stage 3) has been recommended for sites that were identified. These recommendations are outlined below.

2) Five archaeological sites were previously identified in the western portion of Site of Interest 8 during a Stage 1-2 archaeological assessment and recommended to be subject to Stage 3 archaeological assessment prior to any impacts (Mayer Archaeological Consultants 2015). The sites include: AgGs-48 (Crawford 2), AgGs-50 (Feren), AgGs-379, AgGs-380 and AgGs-381. The Stage 3 assessments of these

sites remain outstanding, and, as such, the original recommendations for these sites as outlined in Mayer Archaeological Consultant's Stage 1-2 report (2015) remain standings and should be followed prior to any anticipated impacts.

3) The remainder of the Project Area was determined to have archaeological potential for both Indigenous and Euro-Canadian archaeological resources and is recommended to be subjected to a Stage 2 archaeological assessment. It is recommended that areas of archaeological potential be subjected to test pit or pedestrian survey at 5 m intervals in accordance with Section 2.1.2 of the MHSTCI's Standards and Guidelines for Consultant Archaeologists (2011). Within the Project Area this includes Sites of Interest 1, 2, 3, 4, 5, 8, and 10, as shown in Map 7 and Map 8. Of note is that Sites of Interest 3 and 10 and the unassessed eastern portion of Site of Interest 8 each contain known registered archaeological sites, including AgGs-47 (Crawford 1) in Site of Interest 8; AgGs-49 (Crawford 3) in Site of Interest 10; and, AgGs-51 in Site of Interest 3. These sites were identified in the late 1960s to mid-1980s, but to the best of our knowledge do not have corresponding reports that assess their Cultural Heritage Value or Interest (CHVI) or provide recommendations for further assessment. The status of these there sites is unknown, but it is presumed no further archaeological work has been conducted as there are no records of further stages of work. As such, the locations of the sites should be re-established through Stage 2 survey as a means to assess their Cultural Heritage Value or Interest (CHVI) and make recommendations for further assessment, if required.

4) Areas of previous disturbance were identified in Sites of Interest 1, 4, and 5 (Map 7 and Map 8). As no property inspections were completed as part of this Stage 1 archaeological assessment, on-site confirmation and documentation of the disturbance within these areas will need to be completed during Stage 2 archaeological assessment, as per Section 1.4.1, Standard 1.f and Section 1.4.2 of the MHSTCI's Standards and Guidelines for Consultant Archaeologists (2011).

5) The Dell Family Cemetery is located directly south and adjacent to, but not within Site of Interest 8. Prior to any invasive impacts within 20 m of the Dell Family Cemetery, including a Stage 2 archaeological assessment, detailed background research of the cemeteries' history and legal boundaries will need to be carried out to determine if there is potential for burials to be located within the Project Area. Detailed recommendations for Stage 2 and 3 archaeological assessment fieldwork will be proposed, based on this research and the proposed location of the project, including the need for a Cemetery Investigation Authorization (CIA) issued by the Bereavement Authority of Ontario (BAO).

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Lisa Vespi, Regional Municipality of Niagara
Lisa Vespi, Regional Municipality of Niagara

¹*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.*

Danielle MacKinnon - GM BluePlan

Subject: RE: ENTERED INTO REGISTER: Archaeological Report for P468-0036-2019 / *

----- Original message -----

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Date: 2021-05-27 22:45 (GMT-05:00)

To: rhiannon.fisher3@gmail.com

Cc: lisa.vespi@niagararegion.ca, lisa.vespi@niagararegion.ca, PastPort@ontario.ca

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Thank you,

Shari Prowse

Shari.Prowse@ontario.ca

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (519) 671-7742
Email: Shari.Prowse@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (519) 671-7742
Email: Shari.Prowse@ontario.ca



May 27, 2021

Rhiannon Fisher (P468)
Golder Associates Ltd.
100 - 6925 Century Mississauga ON L5N7K2

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario", Dated Apr 29, 2021, Filed with MHSTCI Toronto Office on May 12, 2021, MHSTCI Project Information Form Number P468-0036-2019, MHSTCI File Number 0010857

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sites remain outstanding, and, as such, the original recommendations for these sites as outlined in Mayer Archaeological Consultant's Stage 1-2 report (2015) remain standings and should be followed prior to any anticipated impacts.

3) The remainder of the Project Area was determined to have archaeological potential for both Indigenous and Euro-Canadian archaeological resources and is recommended to be subjected to a Stage 2 archaeological assessment. It is recommended that areas of archaeological potential be subjected to test pit or pedestrian survey at 5 m intervals in accordance with Section 2.1.2 of the MHSTCI's Standards and Guidelines for Consultant Archaeologists (2011). Within the Project Area this includes Sites of Interest 1, 2, 3, 4, 5, 8, and 10, as shown in Map 7 and Map 8. Of note is that Sites of Interest 3 and 10 and the unassessed eastern portion of Site of Interest 8 each contain known registered archaeological sites, including AgGs-47 (Crawford 1) in Site of Interest 8; AgGs-49 (Crawford 3) in Site of Interest 10; and, AgGs-51 in Site of Interest 3. These sites were identified in the late 1960s to mid-1980s, but to the best of our knowledge do not have corresponding reports that assess their Cultural Heritage Value or Interest (CHVI) or provide recommendations for further assessment. The status of these there sites is unknown, but it is presumed no further archaeological work has been conducted as there are no records of further stages of work. As such, the locations of the sites should be re-established through Stage 2 survey as a means to assess their Cultural Heritage Value or Interest (CHVI) and make recommendations for further assessment, if required.

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Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for Consultant Archaeologists* and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Lisa Vespi, Regional Municipality of Niagara
Lisa Vespi, Regional Municipality of Niagara

**NOTICE OF PUBLIC INFORMATION CENTRE #4
SOUTH NIAGARA FALLS
WASTEWATER SOLUTIONS
MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT**

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

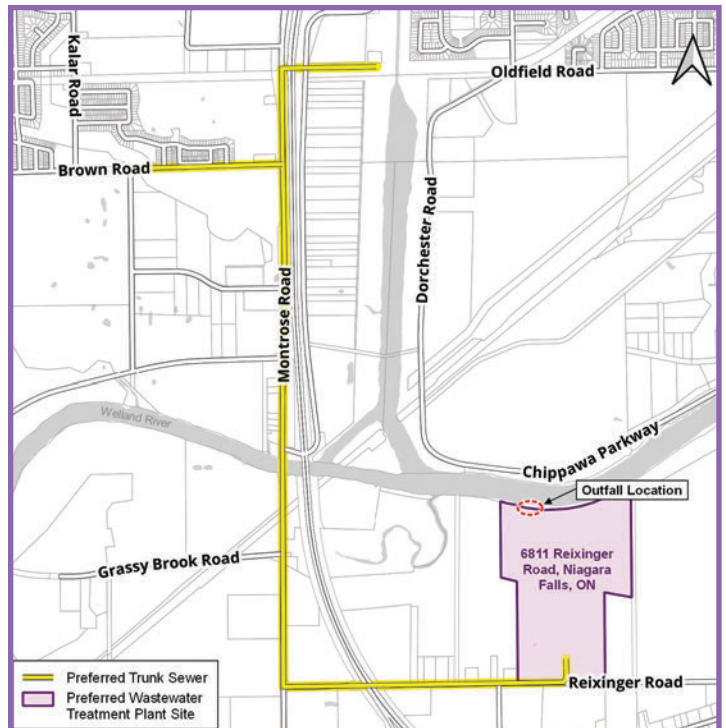
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.
niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

If you require any accommodations to participate, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

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From: [Cary, Henry](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Your report package is being screened for completeness - P327-0013-2021 / *
Date: Friday, April 22, 2022 3:19:01 PM
Attachments: [image001.png](#)
Importance: High

Henry Cary, PhD, CAHP, RPA

Senior Archaeologist
Environment and Infrastructure Solutions
Pronouns – He/Him
Mobile: +1 (289) 683-3515
www.woodplc.com

signature_1010233038



From: pastport <pastport@ontario.ca>
Sent: April 22, 2022 10:45 AM
To: Cary, Henry <henry.cary@woodplc.com>
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P327-0013-2021 / *
Importance: High

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Dear Henry Cary,

The ministry has received your project report package associated with PIF number P327-0013-2021 submitted on Apr 22, 2022.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

From: [Slim, Barbara](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Your report package is being screened for completeness - P348-0106-2020, P348-0107-2020 / *
Date: Friday, April 22, 2022 4:51:19 PM

From: pastport <pastport@ontario.ca>
Sent: Thursday, April 21, 2022 3:55 PM
To: barbara.slim@amec.com
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P348-0106-2020, P348-0107-2020 / *

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Dear Barbara Slim,

The ministry has received your project report package associated with PIF number P348-0106-2020, P348-0107-2020 submitted on Apr 21, 2022.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

From: [Popkin, Peter](#)
To: [Dickinson, Chelsea](#)
Subject: FW: P362 Marine Archaeological License 2021-22 Report Submission
Date: Friday, April 22, 2022 4:45:54 PM
Attachments: [OCUL2001.800_SNFWTP_SD_MarineArch_20220413_FINAL.pdf](#)
[OCUL2001.800_SNFWTP_RE_MarineArch_20220413_FINAL.pdf](#)
[2022-04-21-MHSTC-Marine-Archeo.Ltr.pdf](#)
[image001.png](#)
[image002.png](#)

For your records.

Peter Popkin, Ph.D., CAHP, MCIfA

Associate Archaeologist
Environment and Infrastructure Solutions
Pronouns – He/Him
Mobile: +1 (905) 329-6456
peter.popkin@woodplc.com
www.woodplc.com



From: Brouwers, Hannah <hannah.brouwers@woodplc.com>
Sent: Thursday, April 21, 2022 4:30 PM
To: andrea.williams@ontario.ca
Cc: Archaeology (MHSTCI) <archaeology@ontario.ca>; Popkin, Peter <peter.popkin@woodplc.com>
Subject: P362 Marine Archaeological License 2021-22 Report Submission

Hi Andrea,

Please find attached the Marine Archaeological Assessment and associated Supplementary Documentation for the South Niagara Falls Wastewater Treatment Plant Municipal Class Environmental Assessment under Marine Archaeological License 2021-22 (P327 Popkin).

We also kindly ask for an expedited review of the assessment. Niagara Region is requesting an expedited review of the marine archaeological assessment to ensure that any required follow-up work can be completed in a timely manner in order to support the design and construction of all project components. If possible, we would appreciate this report to be reviewed by May 31, 2022. Please see the attached expedited review letter for more details.

All the best,

Hannah Brouwers, B.A. Hons.

Staff Archaeologist - Project Manager
Material Cultural Analyst
Pronouns – She/Her
Direct: +1 (226)-377-0037
Hannah.Brouwers@woodplc.com
www.woodplc.com



From: [Cary, Henry](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Your report package is being screened for completeness - P327-0019-2021 / *
Date: Friday, April 22, 2022 3:19:28 PM
Attachments: [image001.png](#)
Importance: High

Henry Cary, PhD, CAHP, RPA

Senior Archaeologist
Environment and Infrastructure Solutions
Pronouns – He/Him
Mobile: +1 (289) 683-3515
www.woodplc.com

signature_1010233038



From: pastport <pastport@ontario.ca>
Sent: April 21, 2022 5:20 PM
To: Cary, Henry <henry.cary@woodplc.com>
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P327-0019-2021 / *
Importance: High

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Dear Henry Cary,

The ministry has received your project report package associated with PIF number P327-0019-2021 submitted on Apr 21, 2022.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

From: [Schopf, Heidi](#)
To: [Dickinson, Chelsea](#)
Subject: FW: MHSTCI Response: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS
Date: Friday, April 22, 2022 3:26:39 PM
Attachments: [image001.png](#)

See below confirmation of receipt from the MHSTCI.

-Heidy

From: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>
Sent: Wednesday, April 6, 2022 1:18 PM
To: Schopf, Heidi <heidy.schopf@woodplc.com>
Cc: Registrar (MHSTCI) <Registrar@ontario.ca>; Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Subject: RE: MHSTCI Response: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Hi Heidy,

Hope this email finds you well.

Our service standard (or service-offer) to review technical cultural heritage studies (not archaeological assessment reports) is 30 days. It would be helpful to understand that what the status of the EA is at (e.g., has a notice of commencement being issued?).

Let me know if you have any other question.

Regards,

Karla

Karla Barboza MCIP, RPP, CAHP | (A) Team Lead, Heritage
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
T. 416. 660.1027 | Email: karla.barboza@ontario.ca

From: Schopf, Heidi <heidy.schopf@woodplc.com>
Sent: April-06-22 11:41 AM
To: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>
Cc: Registrar (MHSTCI) <Registrar@ontario.ca>; Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Subject: RE: MHSTCI Response: Information Request: SNFWTP Cultural Heritage Assessment Report

for the South Thorold Trunk, Davis Road, and Blackhorse SPS

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

Hi Karla,

The cultural heritage reports for this project are ready for MHSTCI review. I will be sending these along to you via a FTP link. The reports include:

- Cultural Heritage Assessment Report for Phase 1 Lands
- Cultural Heritage Assessment Report for Phase 2 Lands
- Cultural Heritage Assessment Report for South Thorold Trunk/Blackhorse Sewage Pumping Station
- Cultural Heritage Evaluation Report for 6811 Reixinger Road

Do you have an estimate on MHSTCI review times for these reports? The Region of Niagara has asked for an expedited review but I am not aware if this needs to be submitted to you as a formal request. Let me know what is possible on your end!

Take care and talk soon,
Heidy

From: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>

Sent: Monday, October 25, 2021 4:11 PM

To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>

Cc: Schopf, Heidy <heidy.schopf@woodplc.com>; Registrar (MHSTCI) <Registrar@ontario.ca>

Subject: MHSTCI Response: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS

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File 0010857 – South Niagara Falls Wastewater Treatment Plant

Thanks Chelsea!

At this time, MHSTCI is not aware of any provincial heritage properties within or adjacent to the study area (as per the attached map).

Please note that if the subject lands or parts of the subject lands are owned or controlled by an Ontario Ministry or Prescribed Public Body (PPB) on behalf of the Crown (the list of PPBs is available as O. Reg. 157/10), a Ministry or PPB may have responsibilities under the [Standards and Guidelines for Conservation of Provincial Heritage Properties](#).

MHSTCI would appreciate if any technical cultural heritage studies (e.g. Cultural Heritage Assessment Report, Cultural Heritage Evaluation Report, Heritage Impact Assessment) be sent for MHSTCI review.

I hope this helps. Let me know if you have any questions.

Regards,
Karla

Karla Barboza MCIP, RPP, CAHP | (A) Team Lead, Heritage
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
T. 416. 660.1027 | Email: karla.barboza@ontario.ca

From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Sent: October-22-21 2:11 PM
To: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>
Subject: RE: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS

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Good Afternoon Karla,

Please find attached an updated letter and map with street names as per your request.

If you require any additional information please let me know.

Thanks,
Chelsea

From: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca> **On Behalf Of** Registrar (MHSTCI)
Sent: Friday, October 22, 2021 9:30 AM
To: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>; Schopf, Heidi <heidy.schopf@woodplc.com>
Cc: Registrar (MHSTCI) <Registrar@ontario.ca>
Subject: FW: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Hi Chelsea and Heidi,

Hope this email finds you well.

I know the project and the project area. But could you please label the map with the name of the streets so I can double check our database?

Thanks,
Karla

From: Dickinson, Chelsea <chelsea.dickinson@woodplc.com>
Sent: October-21-21 4:31 PM
To: Registrar (MHSTCI) <Registrar@ontario.ca>
Cc: Schopf, Heidi <heidy.schopf@woodplc.com>
Subject: Information Request: SNFWTP Cultural Heritage Assessment Report for the South Thorold Trunk, Davis Road, and Blackhorse SPS

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

Good Afternoon,

Wood was retained by the Niagara Region to complete a Cultural Heritage Assessment Report (CHAR) in support of the Schedule "C" Municipal Class Environmental Assessment for the proposed South Niagara Falls Wastewater Treatment Plan (WWTP) associated South Thorold Trunk and Blackhorse Sewage Pumping Station (SPS) in the City of Niagara Falls, Ontario. To complete the CHAR, Wood is looking to identify protected and potential cultural heritage resources within, and adjacent to, the Study Area. Please find attached a letter and map with study details for your consideration.

Any information you could provide would be greatly appreciated.

Sincerely,

Chelsea Dickinson, B.A.

Cultural Heritage Specialist | Research Archaeologist

Pronouns – She/Her/Hers

Environment and Infrastructure Solutions

Work: (226) 821-2497

chelsea.dickinson@woodplc.com

www.woodplc.com



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From: [Cary, Henry](#)
To: [Dickinson, Chelsea](#)
Subject: FW: Your report package is being screened for completeness - P327-0012-2021 / *
Date: Friday, April 22, 2022 3:19:34 PM
Attachments: [image001.png](#)
Importance: High

Henry Cary, PhD, CAHP, RPA

Senior Archaeologist
Environment and Infrastructure Solutions
Pronouns – He/Him
Mobile: +1 (289) 683-3515
www.woodplc.com

signature_1010233038



From: pastport <pastport@ontario.ca>
Sent: April 21, 2022 5:10 PM
To: Cary, Henry <henry.cary@woodplc.com>
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P327-0012-2021 / *
Importance: High

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Dear Henry Cary,

The ministry has received your project report package associated with PIF number P327-0012-2021 submitted on Apr 21, 2022.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

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Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
5th Floor, 400 University Ave.
Toronto ON M7A 2R9
Tel.: (416) 414-7787
Email: Jessica.Marr@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programmes d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
5e étage, 400 ave. University
Toronto ON M7A 2R9
Tél. : (416) 414-7787
Email: Jessica.Marr@ontario.ca



Apr 22, 2022

Henry Cary (P327)
Wood Environment & Infrastructure Solutions
PO BOX 0 Burlington ON L7N 3W5

RE: Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Original Report: Stage 1 Archaeological Assessment South Niagara Wastewater Treatment Plant, South Thorold Trunk and Blackhorse Sewage Pumping Station, located in part of Lots 167-168, 181-184, and 201-208 in the Geographic Township of Stamford, Lincoln County, now City of Niagara Falls, and part of Lots 93-94, 112-117 and 123-140 in the Geographic Township of Thorold, Welland County, now City of Thorold, Regional Municipality of Niagara, Ontario", Dated Apr 13, 2022, Filed with MHSTCI Toronto Office on N/A, MHSTCI Project Information Form Number P327-0012-2021, MHSTCI File Number 0010857

Dear Dr. Cary:

The above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18, has been entered into the Ontario Public Register of Archaeological Reports without technical review.¹

Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require further information, please do not hesitate to send your inquiry to Archaeology@Ontario.ca

cc. Archaeology Licensing Officer
Shannon Banks, Regional Municipality of Niagara
Denise Landry, City of Thorold
Peggy Boyle, City of Niagara Falls

¹In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Ministry of Heritage, Sport, Tourism
and Culture Industries
Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
5th Floor, 400 University Ave.
Toronto, ON, M7A 2R9
Tel: (437) 339-9197
Email: andrea.williams@ontario.ca

Ministère des Industries du patrimoine, du sport,
du tourisme et de la culture
Unité des programmes archéologique
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
5^e étage, 400 ave. University
Toronto, ON, M7A 2R9
Tél: (437) 339-9197
Email: andrea.williams@ontario.ca



May 3, 2022

Peter Popkin
Wood Environment & Infrastructure Solutions
50 Vogell Road, Unit No. 3 & 4
Richmond Hill, ON L4B 3N6

RE: Review and entry into the Ontario Public Register of Archaeological Reports: Marine archaeological assessment report entitled, “Marine Archaeological Assessment South Niagara Falls Wastewater Treatment Plant, Phase 2 Lands, Welland River along Lots 7 to 9 Broken Front on Chippewa Creek, Geographic Township of Willoughby, Former County of Welland, now the City of Niagara Falls, Regional Municipality of Niagara, Ontario”, Dated April 13, 2022, Filed on April 21, 2022, Licence number 2021-22.

Dear Dr. Popkin:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18.* This review has been carried out in order to determine whether the licensed marine archaeologist met the terms and conditions of their licence and whether the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the assessment of the study area as shown in **Figure 11** of the report and recommends the following:

“Based on the findings of the Marine Archaeological Assessment of the Study Area, the following recommendation is made, subject to the conditions outlined below and in 6.0:

1. The Study Area requires no further archaeological assessment.”

Based on the information in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment is consistent with the terms and conditions for a marine archaeological licence. This report will be entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Please feel free to contact me if you have any questions.

*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the report or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken if additional artifacts or archaeological sites are identified or the report is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Sincerely,

A handwritten signature in black ink that reads "Andrea K. Williams". The signature is written in a cursive style with a prominent initial 'A'.

Andrea Williams

Archaeology Review Officer/Marine Archaeology Licensing and Information

c. Lisa Vespi, Manager, Capital Projects, Niagara Region

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Friday, May 06, 2022 12:04 PM
To: Schopf, Heidi; Macarthur, Josh; Danielle MacKinnon - GM BluePlan
Cc: Slim, Barbara
Subject: FW: Review of Marine Archaeological Assessment Report 2021-22 Welland River
Attachments: 2021-22 Marine Report in Register.pdf

FYI

Thank you,
Lisa

From: Williams, Andrea (MHSTCI) <Andrea.Williams@ontario.ca>
Sent: Tuesday, May 3, 2022 11:10 AM
To: Popkin, Peter <peter.popkin@woodplc.com>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Brouwers, Hannah <hannah.brouwers@woodplc.com>
Subject: Review of Marine Archaeological Assessment Report 2021-22 Welland River

CAUTION EXTERNAL EMAIL: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Dear Dr. Popkin:

Please find attached a 'report in register' letter pertaining to the marine archaeological assessment of the Welland River under marine license 2021-22.

This letter has been copied to Lisa Vespi of Niagara Region, per your instructions.

Don't hesitate to contact me if you have any questions or concerns.

Thank you.

-Andrea

Andrea Williams

Archaeology Review Officer + Marine Archaeology Licensing and Information

Archaeology Program Unit

Ministry of Heritage, Sport, Tourism and Culture Industries

Cell phone: 437-339-9197

Andrea.Williams@ontario.ca



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May 10, 2022

EMAIL ONLY

Heidy Schopf
Wood Environment & Infrastructure Solutions
3450 Harvester Road, Suite 100,
Burlington, ON L7N 3W5
heidy.schopf@woodplc.com

MHSTCI File : 0010857
Proponent : Niagara Region
Subject : Cultural Heritage Assessment Reports and Cultural Heritage
Evaluation Report
Project : South Niagara Falls Wastewater Treatment Plant
Location : City of Niagara Falls, Ontario

Dear Ms. Schopf:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the cultural heritage reports for the above-referenced project. MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- archaeological resources, including land and marine;
- built heritage resources, including bridges and monuments; and
- cultural heritage landscapes.

We have reviewed the following documents:

- The *Cultural Heritage Assessment Report: Existing Conditions and Preliminary Impact Assessment – South Niagara Falls Wastewater Treatment Plant, Phase 1 Sewer Alignment/Construction Shaft Locations, City of Niagara Falls, Ontario* (dated April 4, 2022, prepared by Wood)
- The *Cultural Heritage Assessment Report: Existing Conditions and Preliminary Impact Assessment – South Niagara Falls Wastewater Treatment Plant, Phase 2 Site, City of Niagara Falls, Ontario* (dated April 4, 2022, prepared by Wood)
- The *Cultural Heritage Assessment Report: Existing Conditions and Preliminary Impact Assessment – South Niagara Wastewater Treatment Plant, South Thorold Trunk and Blackhorse Sewage Pumping Station (SPS), Cities of Niagara Falls and Thorold, Ontario* (dated April 4, 2022, prepared by Wood)
- The *Cultural Heritage Evaluation Report for 6811 Reixinger Road, City of Niagara Falls, Ontario – South Niagara Falls Wastewater Treatment Plant Site (Phase 2), City of Niagara Falls, Regional Municipality of Niagara, Ontario* (dated April 4, 2022, prepared by Wood).

Project Summary

These reports have been completed as part of a Schedule “C” Municipal Class Environmental Assessment for the proposed South Niagara Falls Wastewater Treatment Plant (SNFWWTP) and associated infrastructure in the City of Niagara Falls and City of Thorold, Niagara Region, Ontario.

Comments

The three Cultural Heritage Assessment Reports conclude that:

- There is potential for direct impacts on one potential cultural heritage landscape, at 6811 Reixinger Road, and indirect impacts on one Provincial Heritage Property of Provincial Significance, namely the Sir Adam Beck Generating Station Power Canal, and two potential cultural heritage landscapes, namely the Welland River and 10111 McLeod Road.
- If direct impacts to 6811 Reixinger Road cannot be feasibly avoided, the property should be evaluated for cultural heritage value or interest (CHVI) through a Cultural Heritage Evaluation Report (CHER).
- With respect to the Sir Adam Beck Generating Station Power Canal:
 - The location of CHR 5 (Sir Adam Beck Generating Station Power Canal) should be identified on construction mapping so that project personnel are aware of the presence of this Provincial Heritage Property of Provincial Significance, which is adjacent to, the proposed work at Montrose-Shaft-01.
 - The proposed work for Montrose-Shaft-01 should be planned in a manner that avoids the Power Canal. Where feasible the proposed work should be contained within 7606 Oakwood Drive.
 - If containing work for Montrose-Shaft_01 within 7606 Oakwood Drive is not feasible, then minimize encroachment onto the adjacent Sir Adam Beck Power Canal property. If encroachment is anticipated, then consultation with Ontario Power Generation (OPG) is recommended to determine and obtain any approval or permits. Further cultural heritage studies may be required by OPG, such as a property-specific Heritage Impact Assessment.
- Work within the Welland River will take place below the waterline. No permanent impacts to the historical/associative and/or contextual value of the river are anticipated. However, should construction work disrupt the natural setting of the Welland River, then post-construction landscaping should be completed to return the landscape to pre-construction conditions. Post-construction landscaping should utilize plant species that are native to Ontario where possible.
- To mitigate impacts to 10111 McLeod Road related to potential vibration impacts resulting from the installation of new/modified infrastructure or construction activities, a qualified vibration specialist is consulted to develop an appropriate vibration monitoring program to avoid or reduce impacts to structures on this property.
- Additional potential cultural heritage resources identified in these reports, on which impacts are not expected, should be identified on construction mapping so that project personnel are aware of the presence of potential heritage properties within, and adjacent to, the proposed work.

The CHER for 6811 Reixinger Road, carried out pursuant to the above recommendations, evaluated the property against the criteria for CHVI prescribed in Ontario Regulation 9/06, found that it has historical/associative value, but only based on its potential to yield archaeological resources related to the Dell family and/or Indigenous land use. As such, no Heritage Impact Assessment is recommended; rather, the identification and mitigation of potential impacts to archaeological resources will be carried out through archaeological assessment.

We find that the reports overall are consistent with the requirements, guidance and standards of the MCEA and with best practice guidance prepared by MHSTCI.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, please do not hesitate to contact me.

Sincerely,

Dan Minkin
Heritage Planner
Dan.Minkin@Ontario.ca

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

**Ministry of Heritage, Sport, Tourism, and
Culture Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
5th Floor, 400 University Ave.
Toronto ON M7A 2R9
Tel.: (437) 339-9197
Email: Andrea.Williams@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
5e étage, 400 ave. University
Toronto ON M7A 2R9
Tél. : (437) 339-9197
Email: Andrea.Williams@ontario.ca



Jun 28, 2022

Henry Cary (P327)
Wood Environment & Infrastructure Solutions
PO BOX 0 Burlington ON L7N 3W5

**RE: Review and Entry into the Ontario Public Register of Archaeological Reports:
Archaeological Assessment Report Entitled, "Original Report: Stage 2
Archaeological Assessment South Niagara Wastewater Treatment Plant:
Blackhorse Sewage Pumping Station, Part of Lot 94, Geographic Township of
Thorold, Welland County, Now 701 Allanburg Road, City of Thorold, Regional
Municipality of Niagara, Ontario", Dated Apr 13, 2022, Filed with MHSTCI Toronto
Office on Apr 26, 2022, MHSTCI Project Information Form Number P327-0019-2021,
MHSTCI File Number 0010857**

Dear Dr. Cary:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18.¹ This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the assessment of the study area as depicted in Figure 11 of the above titled report and recommends the following:

Based on the findings of the Stage 2 archaeological assessment of the Study Area, the following recommendations are made, subject to the conditions outlined below and in Section 6.0:

1. No archaeological resources were identified within the Stage 2 Study Area, therefore, the Stage 2 Study Area requires no further archaeological assessment. The above recommendation is subject to approval by the Ministry of Heritage, Sport, Tourism and Culture Industries. It is an offence to knowingly alter any portion of an archaeological site except by a person holding a professional archaeological license.

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 *Standards and Guidelines for*

Consultant Archaeologists and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Andrea Williams
Archaeology Review Officer

cc. Archaeology Licensing Officer
Shannon Banks, Regional Municipality of Niagara
Denise Landry, City of Thorold
Peggy Boyle, City of Niagara Falls

¹*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.*

V4.8.4

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Ministry of Northern Development,
Mines, Natural Resources and Forestry

NOTICE OF STUDY COMMENCEMENT SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

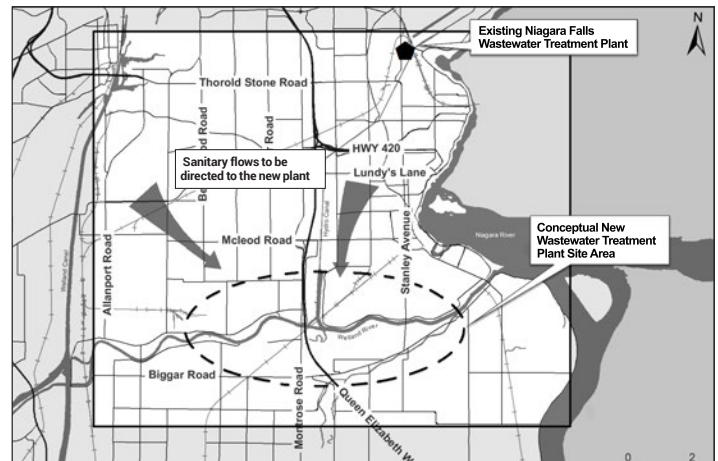
WHAT IS THIS STUDY ALL ABOUT?

There is significant residential and employment growth planned for Niagara Region and specifically for South Niagara, including areas in Niagara Falls and Thorold South. As we grow and build new communities, create new jobs, and invest in new facilities like schools and hospitals, investment is needed to plan and build our infrastructure. South Niagara will require a new wastewater treatment plant and will require upgrading our sewer system to support growth and protect the environment.

This study is about more than just constructing a new wastewater treatment plant. It is about a holistic solution to make improvements to the full wastewater systems in the area. It is about balancing the needs of growth with the protection and preservation of natural and heritage resources. It is also about the Region's investment in tomorrow to make sure we have the infrastructure we need to serve the current and future residents and businesses in the region.

WHY IS A NEW WASTEWATER TREATMENT PLANT NEEDED?

Niagara Region undertook an integrated process called "Niagara 2041" where the Region looked at growth planning, water and wastewater infrastructure and transportation all together to establish a plan for Niagara's future. "Niagara 2041" identified significant opportunity for growth in the South Niagara area. Under this



The EA will be studying the wastewater system within the boxed area on the map. The location for the new plant will be identified within the dotted circle area.

process, the 2016 Water and Wastewater Master Servicing Plan (MSP) Update was completed. A key recommendation of the MSP Update was to establish a new wastewater treatment plant in South Niagara and have the sewer systems in the southern area convey flows to this new facility (indicated by the arrows on the map). Region Council and Niagara Falls Council adopted these recommendations in 2017.

This Study will investigate alternative long-term servicing solutions for a new wastewater treatment plant and associated wastewater collection system. The Study will confirm the overall strategy. It will identify the preferred site for the new plant. It will identify the sewer routes in the area. It will select the preferred technology and construction requirements, and it will demonstrate the timing for design and construction.

Niagara Region is undertaking an important study to meet growing needs and provide overall environmental benefit to the South Niagara area.

WHAT IS THE PROCESS FOR THIS STUDY?

This Study is being undertaken as a Schedule 'C' Class EA, satisfying all phases in accordance with the Municipal Class Environmental Assessment (MEA) process (October 2000, as amended in 2007, 2011 and 2015), which is an approved process under the Ontario Environmental Assessment Act.

The Class EA process is a transparent process that will clearly demonstrate the decision making of where the new wastewater treatment plant will be located, what sewer infrastructure is needed, how the natural, social and cultural environments will be protected, how the infrastructure will be constructed, and the costs of the recommendations. Public, stakeholder and agency participation is critical and mandated. Niagara Region will engage and consult with these groups through each step.

HOW CAN I PARTICIPATE IN THIS STUDY?

It is expected that the Study will take approximately two years to complete. Public input and comments are encouraged throughout the EA. There are three sets of Public Information Centre (PIC) meetings planned through the course of the Study. These meetings are planned for Spring 2019, Fall 2019 and Spring 2020 where Region representatives will be available to introduce the Study, answer questions and discuss next steps.

There is also an opportunity at any time during the study process for members of the public to provide comments and concerns to the attention of the project managers. With the exception of personal information, all comments received during the process will become part of the public record of the study.

For project information, visit niagararegion.ca/projects/south-niagara-falls-treatment-plant. If you wish to receive future project notifications by email, please send your request to newtreatmentplant@niagararegion.ca.

If you wish to submit comments, please use the online form on the project webpage or contact us:

Ms. Lisa Vespi
Niagara Region Project Manager
Niagara Region
1815 Sir Isaac Brock Way
Thorold, Ontario, L2V 4T7
905.980.6000 ext. 3640
newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416.703.0667 | chris.hamel@gmblueplan.ca

Niagara Region is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons of disability. Please contact the Project Manager if you need any accommodation to provide comments or feedback for this study. This notice was first issued on April 4, 2019.

NOTICE OF PUBLIC INFORMATION CENTRE NO. 1 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

We want to hear from you. Get involved in Niagara's future.

THE STUDY

Niagara Region is planning ahead. We are working with the cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls, and to improve the sewer system.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre (PIC) to learn more about the study.

Date: Tuesday May 28, 2019

Time: 5:00 to 8:00 p.m.

Location: Boys & Girls Club of Niagara
8800 McLeod Road, Niagara Falls, ON
L2H 0Y8

Format: Open House with information on display

You can meet members of the project team to discuss the Environmental Assessment process and the need for this project, understand the Region's current wastewater servicing and treatment, learn how you can be engaged, and provide feedback on what's most important to you.

PROJECT BENEFITS:

- Better protect the environment
- Create new jobs and infrastructure to support new local investment
- Ensure our management of wastewater is more efficient and effective

LEARN MORE

If you would like more information about the project or to provide feedback, please contact:

Ms. Lisa Vespi, P.Eng., PMP
Niagara Region Project Manager
Regional Municipality of Niagara
1815 Sir Isaac Brock Way
Thorold, Ontario, L2V 4T7
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
Phone: 416.703.0667
Email: chris.hamel@gmblueplan.ca

Or visit niagararegion.ca/projects/south-niagara-falls-treatment-plant

This notice was first issued on May 9, 2019.

Niagara Region is committed to ensure that all Regional services, programs and facilities are inclusive and accessible for persons of disability. Please contact Lisa Vespi if you need any accommodation to provide comments or feedback for this study.

NOTICE OF PUBLIC INFORMATION CENTRE #2 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

We want to hear from you. Get involved in Niagara's future.

THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre (PIC) to learn more about the study.

Date: Wednesday Nov. 20, 2019

Time: 5 - 7 p.m.

Location: MacBain Community Centre
(Coronation Room) - 7150 Montrose
Road, Niagara Falls, ON L2H 3N3

Format: Open House

Facebook Live Video: 3 - 4 p.m.

View video by visiting Niagara Region's Facebook page

The public will be able to see the long list of potential sites for the new wastewater treatment plant as well as have the chance to comment and provide input into the evaluation process and criteria. Your feedback will help the team evaluate the preferred site, outfall location and sewer routes.

This notice was first issued on Nov. 7, 2019.

PROJECT BENEFITS:

- Better protect the environment
- Create new jobs and infrastructure to support new local investment
- Ensure our management of wastewater is more efficient and effective

CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Niagara Region Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
Phone: 416-703-0667
Email: Chris.Hamel@gmblueplan.ca

If you require any accommodations for a disability in order to attend and participate in meetings or events, contact the Niagara Region's Accessibility Coordinator at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

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

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
 Project Manager, Niagara Region
 905.980.6000 ext. 3640
 New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
 Project Manager, GM BluePlan Engineering
 416.703.0667
 Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3

NOTICE OF PUBLIC INFORMATION CENTRE #3 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

COME VIEW THE PRELIMINARY PREFERRED SOLUTION

ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study.

The Region will be presenting the preliminary preferred solution including **the proposed wastewater treatment plant site, associated sewer strategy and plant discharge location**. The public will have the opportunity to speak to the Project team, and provide comments and input on the preferred solution.

Wednesday, March 11, 2020 | 5 – 7 p.m.

MacBain Community Centre,
Multi-purpose Room D and E

7150 Montrose Road, Niagara Falls, ON
L2H 3N3

Facebook Live Video: 3 – 4 p.m.
View video by visiting Niagara Region's
Facebook page

CONTACT

Ms. Lisa Vespi, P.Eng., PMP

Project Manager

Niagara Region

3501 Schmon Parkway, PO Box 1042

Thorold, Ontario, L2V 4T7

905-980-6000 ext. 3640

New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Consultant Project Manager

GM BluePlan Engineering Limited

3300 Highway 7, Suite 402

Vaughan, Ontario, L4K 4M3

416-703-0667

Chris.Hamel@gmblueplan.ca

If you require any accommodations for a disability in order to attend and participate in meetings or events, contact the **Niagara Region's Accessibility Coordinator** at 905-685-4225 ext. 3252 or accessibility@niagararegion.ca.

Personal information collected or submitted in writing at public meetings we be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

This notice was first issued on Feb. 27, 2020



20 May 2020

Administrative Coordinator
Ministry of Heritage, Sport, Tourism and Culture Industries
Culture Division
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7

Re: Request for Expedited Review – P468-0036-2019

Dear Administrative Coordinator,

We have given Golder Associates Ltd. direction to request an expedited review of the following report:

Stage 1 Archaeological Assessment: South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario

The project was carried out under the license of Rhiannon Fisher, M.Sc., RPA (P468)

GM BluePlan Engineering Ltd. wishes to proceed with submitting the Stage 1 report to obtain a letter citing review and acceptance of the above report into the Provincial Register of Reports as it is required to allow for planning prior to development. Please note this is an original report.

We request your review and processing before **June 26, 2020** in order to allow for sufficient time for planning and any additional fieldwork that may be required prior to development.

We thank you for your assistance with this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris Campbell'.

Chris Campbell, MTP, MCIP, RPP, MRTPI
GM BluePlan Engineering Limited, Partner
3300 Highway 7
Vaughan, Ontario
L4K 4M3

**Ministry of Heritage, Sport, Tourism, Culture
Industries**

Archaeology Program Unit
Programs and Services Branch
Heritage, Tourism and Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (519) 671-7742
Email: Shari.Prowse@ontario.ca

**Ministère des Industries du patrimoine, du sport, du
tourisme et de la culture**

Unité des programme d'archéologie
Direction des programmes et des services
Division du patrimoine, du tourisme et de la culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (519) 671-7742
Email: Shari.Prowse@ontario.ca



Jul 27, 2020

Rhiannon Fisher (P468)
Golder Associates Ltd.
100 - 6925 Century Mississauga ON L5N7K2

RE: Review of the Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment, Various Lots and Concessions, Geographic Townships of Stamford, Willoughby and Crowland, Former County of Welland, City of Niagara Falls, Regional Municipality of Niagara, Ontario", Dated May 13, 2020, Filed with MTCS Toronto Office on May 21, 2020, MTCS Project Information Form Number P468-0036-2019, MTCS File Number 0010857

Dear Ms. Fisher:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18. This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 *Standards and Guidelines for Consultant Archaeologists* set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

In reviewing this report, this ministry notes that specific standards have not been adequately addressed or addressed to the ministry's satisfaction.¹ Please file a revised report that resolves the following fieldwork and/or reporting issues:

1.A portion of Parcel 8 of the subject property has already had an archaeological assessment (see P066-0210-2014). While the report under review does note the presence of some of the sites documented during the previous assessment, AgGs-50 was not listed in the current report as being on the property.

It was also recognized during the review that the mapped location of these sites may not be correct and the administrator of site database has been informed of these errors and they will be addressed ASAP. Please note that if archaeological sites are located with a subject property under assessment, the background research must include a summary of the sites and the recommendations for these sites including additional fieldwork requirements. Please revise the report to include the necessary information from the related Stage 1-2 archaeological assessment report and include any outstanding relevant recommendations in recommendations section of this report (see Section 7.5.8 Standards 4 and 5).

2. The report indicates that the Dell Family Cemetery established in the mid-19th century is located adjacent to the subject property, however, the report did not discuss if there is potential for the cemetery to extend into the subject property. As such, please provide detailed background research for the cemetery regarding its historic boundaries and the potential burials to extend beyond the currently assumed boundaries (See Section 7.5.8 Standard 6 and 7). Information on the boundaries of a cemetery can be obtained from the cemetery owner and archival research (e.g. newspapers, historic mapping, burial plot maps, orders in council) and online resources, for example, the Ontario Genealogical Society. Information about the cemetery owner can be found through a search of the Public Register at the Bereavement Authority of Ontario's website which can be accessed through the following link:

<https://licensees.bereavementauthorityontario.ca/public-register>

If a determination of the limits cannot be made based on this research, the Bereavement Authority of Ontario may be able to assist. If there is potential for the cemetery to extend beyond the current fence/property line because the boundaries are not clear, an Investigation Authorization from the Bereavement Authority of Ontario may be required for any "invasive" (e.g. Stages 2-4) fieldwork. For more information go to: <https://thebao.ca/archaeological-assessments-investigations-on-cemetery-lands/> (Condition # 6 and # 7 of the Terms and Conditions of Licence). Please ensure that this is included in the recommendations if an Investigation Authorization is required.

3. The report indicates that the findings for archaeological potential are consistent with mapping illustrating areas of archaeological potential as depicted on the Niagara Falls Heritage Master Plan. Please provide the mapping from the master plan demonstrating this (see Section 1.1 Standard 1, Section 7.5.12 Standard 4c and Section 7.5.8 Standard 7).

A revised report must be filed by the ministry on or before Oct 26, 2020. Once a revised report is received, it will be reviewed and a response provided. Please note that licensees who fail to file reports by the specified report filing deadline will be in violation of the terms and conditions of their licence.

If the concerns identified are not fully addressed by the date noted above the report may be deemed incomplete or non-compliant. Incomplete or non-compliant reports may impact a licensee's record of compliance.

Please note that a licensee's record of compliance will be taken into account by the ministry at the time of any licensing decisions.

Should you require any further information regarding this matter, please feel free to contact me.

For further information and guidance, please see the *Project Information Forms and the Report Review Process Bulletin*, the *Standards and Guidelines*, and the *Terms and Conditions for Archaeological Licences* by visiting the ministry's website www.ontario.ca/archaeology.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer

¹*In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) from the incompleteness, non-compliance or inaccuracies of this Report; (b) from reliance on this Report; or (c) from the issuance of this letter. Further measures are required as this Report is found to be incomplete at this time.*

Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Tuesday, November 10, 2020 8:40 AM
To: jennifer.harvard@ontario.ca
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: South Niagara Falls Wastewater Solutions
Attachments: TM_Field_Summary_August.pdf; NPCA Natural Heritage Areas.JPG

Importance: High

Hi Jennifer,

My name is Jade and I am the Project Coordinator at Niagara Region working on *South Niagara Falls Wastewater Solutions*, which is a Schedule C Class EA, that has recently selected a preferred site along Reixinger Road in Niagara Falls for a new Wastewater Treatment Plant.

I wanted to reach out to notify you that our team has completed additional environmental investigations on the preferred site (please see attached) to identify species at risk and confirm locations of provincially significant wetlands. In addition, our team will be conducting further archaeological and cultural heritage investigations through November.

We are looking to coordinate a site walk through November 12th (afternoon) with NPCA, Niagara Region, and Golder Associates. This visit will look to review site features and clarify setback requirements. Can you please confirm if you are able to meet Thursday afternoon for an on-site meeting?

Feel free to contact me with any questions or concerns.

Regards,

Jade Anema, MBA, PMP, EIT
Project Coordinator, Water and Wastewater Engineering
Niagara Region
Phone: 289-241-5705
www.niagararegion.ca

The Regional Municipality of Niagara Confidentiality Notice The information contained in this communication including any attachments may be confidential, is intended only for the use of the recipient(s) named above, and may be legally privileged. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, disclosure, or copying of this communication, or any of its contents, is strictly prohibited. If you have received this communication in error, please re-send this communication to the sender and permanently delete the original and any copy of it from your computer system. Thank you.

TECHNICAL MEMORANDUM**DATE** October 1, 2020**Reference No.** 18104462**TO** Chris Campbell and Danielle Mackinnon
GM BluePlan**CC** Alyson Beal, Jean-Marc Crew**FROM** Heather Melcher**EMAIL** Heather_Melcher@Golder.com**AUGUST 2020 NATURAL ENVIRONMENT (AQUATIC AND TERRESTRIAL) FIELD INVESTIGATION SUMMARY**

In August 2020, Golder undertook aquatic habitat, Ecological Land Classification (ELC), Species at Risk (SAR) observation and SAR habitat identification field investigations at the preferred site for the Schedule "C" Municipal Class Environmental Assessment (EA) for the proposed South Niagara Falls Waste Water Treatment Plant (the Project), which is located on two properties along Reixinger Road. This memorandum provides a summary of the results from the completed field surveys. For development constraints associated with identified features from the field surveys, please refer to Golder's Environmental Constraints Technical Memorandum, which was submitted as final to GM BluePlan on April 30, 2020.

1.0 AQUATIC HABITAT SURVEY***Welland River***

Only the right downstream bank and portion of the river was able to be assessed due to depth/wadability. The Habitat along the entire reach of the Welland River within the project area is consistent. It is a slow-flowing run. The river is approximately 130 – 135 metres (m) wide, and the depth is greater than 1.5 m. Substrates along the right downstream bank are firm, and consist of clay and silt, with trace sand. The wadable portion along the right downstream bank has submergent vegetation providing cover for fish. Fish (shiner species) were observed amongst the vegetation. Depth dropped off to greater than 1.5 m approximately 20 m from the bank, and cover/substrate could not be assessed past this point. The water was turbid at the time of the surveys. Bank height at the east end of the project area was 1.8 m, and decreased towards the west, eventually becoming even with the water level around the mid point of the study area. The banks were comprised of fines and was moderately stable. Erosion along the toe of the bank was observed for the length of reach assessed. The reach is suitable and could provide overwintering and rearing habitat for small bodied fish, suckers and predatory fish. The reach is also likely used as a migratory route for fish traveling upstream around Niagara Falls. Submergent vegetation along the edges is suitable to provide spawning habitat potential for Northern Pike and other vegetation-spawners.

Grassy Brook

Habitat along the entire reach of Grassy Brook within the project area is consistent. It is a slow-flowing flat. Wetted width averaged 23 m near the mouth and narrowed to 13 m at the upstream extent of the study area. Substrates throughout the reach are fines, ranging from organics to silt and clay. Aquatic vegetation provides dense cover for

fish throughout the reach by. Vegetation was noted to be primarily submergent (tapegrass), with ~ 10-20% floating (white pondlily) and 5% emergent (cattails, arrowhead). This reach provides excellent rearing habitat for small-bodied fish, suckers, and warmwater species. Good spawning habitat potential for Northern Pike and other vegetation-spawners. The bank vegetation is wetland in the downstream portions, and throughout the reach on the left downstream bank. Bank heights increased on the right downstream bank further upstream as the riparian changes to deciduous forest south of the first field on the east side. Bank composition is fines, ranging from organics to sand, and stability is moderate. Pumpkinseed and cyprinid species were observed within the watercourse. One agricultural drain enters on RDB at waypoint 149, which was not flowing at the time of the survey.

No aquatic SAR species were observed in either watercourse and no unique/important habitat was observed that wouldn't also be available within these watercourses beyond the study area.

2.0 TERRESTRIAL SURVEYS

Ecological land classification (ELC)

- The mapped provincially significant wetland (PSW) on the site was characterized by shallow marsh, bordered by cultural thicket in the northern portion of the site, a deciduous forest in the western portion of the site. The PSW is identified as MAM on Figure 1.
- Outside of the areas mapped as PSW, the site was covered by large areas of cultural thicket and cultural meadows/hay fields.
- There is a small cattail marsh patch in the centre of the site. This wetland is unlikely to be complexed with the PSW due to its small size and lack of hydrological connection to the PSW. The small cattail marsh is identified as MAS on Figure 1.

Species at risk (SAR) habitat outside of the PSW

In addition to the bird SAR identified during the breeding bird surveys, the following SAR or SAR habitat were identified:

- **Eastern meadowlark and bobolink** (Potential in CUM-A, CUM-B, CUM-C and hay fields on Figure 1)
 - Meadows and hay fields on site provide suitable habitat
 - Both are designated threatened under the Endangered Species Act (ESA) and receive individual and habitat protection under the Act
 - Removal or damage of habitat may require registration or permitting under the ESA
- **Barn swallow** (Potential in feature #1 on Figure 1)
 - The Crawford barn provides suitable nesting habitat for barn swallow
 - Barn swallow is designated threatened under the ESA and receives individual and habitat protection under the Act.
 - Removal or damage of habitat may require registration or permitting under the ESA

- **Little brown myotis** (Potential in feature #1 on Figure 1)
 - The Crawford barn may provide suitable maternity roosting habitat for little brown myotis, designated endangered under the ESA and receive individual and habitat protection under the Act.
 - Little brown myotis is designated endangered under the ESA and receives individual and habitat protection under the Act
 - Removal or damage of habitat may require registration or permitting under the ESA
- **Shumard oak** (Potential in CUT-B and FOD on Figure 1)
 - Shumard oak, designated special concern under the ESA, was found in hedgerows on the site, along the edge of the PSW, in the cultural thicket in the southern portion of the site, and at the edges of woodlands along the site boundary.
 - Shumard oak is designated special concern under the ESA and does not receive individual or habitat protection under the Act
 - However, habitat for Shumard oak is considered to be significant wildlife habitat
 - Development may be permitted within or adjacent to significant wildlife habitat where it is demonstrated there will be no adverse impact to the overall feature or its function
- **Monarch/yellow banded bumblebee** (Potential in CUM-A, CUM-B, CUM-C and MAM on Figure 1)
 - The cultural meadows and hay fields on the site may provide suitable foraging habitat for monarch and yellow-banded bumblebee.
 - Monarch and yellow-banded bumblebee are designated special concern under the ESA and do not receive individual or habitat protection under the Act
 - However, habitat for monarch and yellow-banded bumblebee is considered to be significant wildlife habitat
 - Development may be permitted within or adjacent to significant wildlife habitat where it is demonstrated there will be no adverse impact to the overall feature or its function
- **Common nighthawk** (Potential in CUM-A, CUM-B and CUM-C on Figure 1)
 - The cultural meadows and hay fields on the site may provide suitable nesting habitat for common nighthawk.
 - Common nighthawk is designated special concern under the ESA and does not receive individual or habitat protection under the Act
 - However, habitat for common nighthawk is considered to be significant wildlife habitat
 - Development may be permitted within or adjacent to significant wildlife habitat where it is demonstrated there will be no adverse impact to the overall feature or its function.

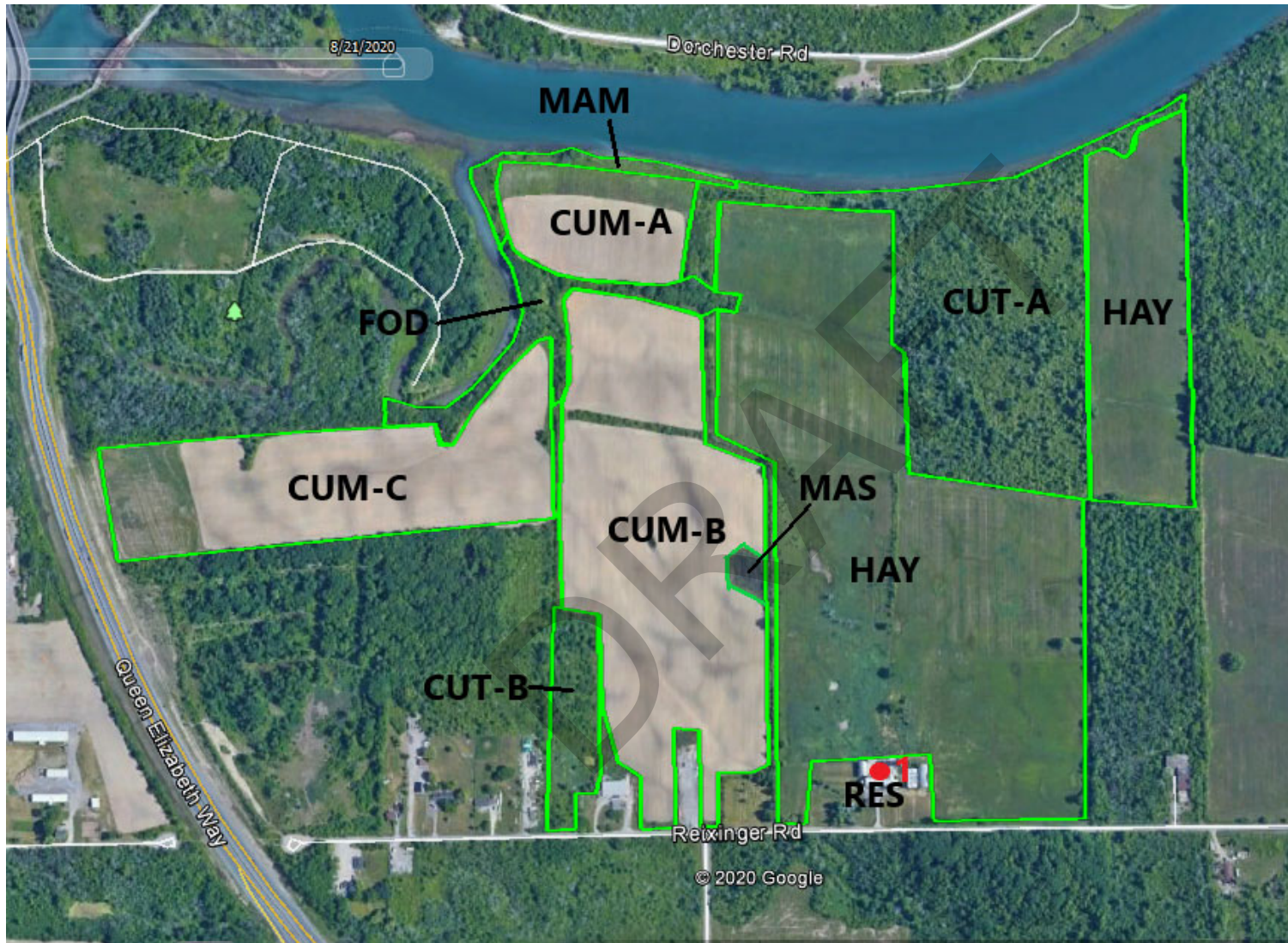


Figure 1: Identified ELC Features from August 2020 Field Survey

3.0 CLOSURE

We trust this report meets your current needs. If you have any questions, please contact the undersigned.

DRAFT

DRAFT

Heather Melcher
Principal, Senior Ecologist

Alyson Beal
Principal

JMC/HM/AB

DRAFT

Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Tuesday, November 24, 2020 12:11 PM
To: jennifer.harvard@ontario.ca
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: South Niagara Falls Wastewater Solutions - Agency Meeting Jan 19

Good Afternoon,

This email is in regards to the *South Niagara Falls Wastewater Solutions Schedule C Class EA*. Following our previous consultation with MNRF, our team is looking to host a virtual project update meeting with appropriate review agencies (MECP, MNRF, NPCA, OPG, and DFO) on **Tuesday, January 19, 2021 from 1:00-3:30pm**.

The January 19 meeting will focus around design concepts for the new Wastewater Treatment Plant (preferred site located at 6811 and 7047 Reixinger Road, Niagara Falls) and associated sewer system. This meeting will look for initial feedback from your team ahead the next Public Information Centre (PIC No. 4) currently planned for late February 2021.

Please advise if you have any concerns with the proposed meeting time, or if you would like to suggest alternative members of your team to attend.

Jade Anema, MBA, PMP, EIT
Project Coordinator, Water and Wastewater Engineering
Niagara Region
jade.anema@niagararegion.ca
Phone: 289-241-5705
www.niagararegion.ca

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Danielle MacKinnon - GM BluePlan

From: Harvard, Jennifer (MNRF) <Jennifer.Harvard@ontario.ca>
Sent: Wednesday, December 02, 2020 11:57 AM
To: Danielle MacKinnon - GM BluePlan
Subject: Tentative: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Wednesday, February 03, 2021 9:19 AM
To: Chris Hamel - GM BluePlan; Chris Campbell - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca; yanhong.du@ontario.ca
Cc: jennifer.harvard@ontario.ca; ngreen@npca.ca; ke.jones@opg.com; alison.bradley@opg.com
Subject: RE: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
Attachments: SNFWWS - Agency Update Minutes 20210119 (DRAFT).pdf

Hi All,

Thank you for participating in the South Niagara Falls Wastewater Solutions Class EA – Agency Update Meeting on January 19th, 2021. Please find the meeting minutes attached for your review and record.

For proposed meeting minute revisions, please download the following document and respond to this email with any tracked changes: [https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS - Agency Update Minutes 20210119 \(DRAFT\).docx](https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS_-_Agency_Update_Minutes_20210119_(DRAFT).docx)

If you have any comments or questions please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



-----Original Appointment-----

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, November 20, 2020 12:29 PM
To: Danielle MacKinnon - GM BluePlan; Chris Hamel - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; ke.jones@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca
Subject: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
When: Tuesday, January 19, 2021 1:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: GoTo Meeting

Thank you for your continued participation in the *South Niagara Falls WW Solutions Schedule C Class EA*. Please join using the GoTo Meeting details below, to walk through preliminary design concepts for the new South Niagara Falls WWTP site and related sewer components.

This invite has been extended to the following groups: Ministry of the Environment, Conservation and Parks; Niagara Peninsula Conservation Authority; Ministry of Natural Resources and Forestry; and Ontario Power Generation. This meeting will look for your initial feedback and input ahead of our next Public Information Centre, anticipated for early Spring 2021.

SNFWWS - Design Concept Review

Tue, Jan 19, 2021 1:00 PM - 3:30 PM (EST)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/261552037>

You can also dial in using your phone.

Canada: [+1 \(647\) 497-9373](tel:+16474979373)

Access Code: 261-552-037

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/261552037>

Meeting Agenda: MNRF Project Overview

South Niagara Falls Wastewater Solutions Class Environmental Assessment

Date/Time: Monday, April 19, 2021 1:30 p.m. – 2:30 p.m.

Location: Microsoft Teams Meeting

Meeting Called by: SNF Wastewater Solutions Team

Meeting Objective: To provide an overview of the South Niagara Falls Class Environmental Assessment including WWTP site, plant outfall, and sewer alignment study components and initiate discussions related to MNRF permits and approvals.

Participants

Chair: Chris Hamel

Attendees: Chris Hamel (GMBP), Danielle MacKinnon (GMBP), Heather Melcher (Golder), Lisa Vespi (RMON), Robert Fleeton (Advisor), Jade Anema (RMON), Tony Cimino (RMON), David Denyes (MNRF), Karina Cerniavskaja (MNRF)

Matters for Discussion	Lead
Agenda Outline	
1. SNFWWS Class EA Overview & Status	GMBP/RMON
2. SNF WWTP Site <ul style="list-style-type: none"> a) Preferred site (6811 & 7047 Reixinger Road) presented publicly in March 2020 b) Undertaking detailed site investigations c) Completing preliminary siting design elements 	
3. Plant Outfall Overview <ul style="list-style-type: none"> a) Plant outfall to Chippawa Creek presented publicly in March 2020 b) Reviewing preliminary outfall construction methodologies 	
4. Collection System Strategy <ul style="list-style-type: none"> a) Overall wastewater collection strategy presented publicly in March 2020 b) Preliminary preferred Montrose Road trunk sewer selected c) Reviewing sewer constructability & collection of Thorold South 	
5. MNRF Permits and Approvals <ul style="list-style-type: none"> a) Baseline Class EA investigations complete b) MNRF Class EA and Detailed Design related approvals & requirements 	All
6. Class EA Next Steps <ul style="list-style-type: none"> a) Final Public Information Centre No. 4 (anticipated late spring/early summer 2021) b) Class EA filing (anticipated summer 2021) 	GMBP/RMON

Additional items to be communicated to Chair prior to meeting.

Meeting Minutes: MNRF Project Overview

South Niagara Falls Wastewater Solutions Class Environmental Assessment

Meeting Date: 2021/04/19
Location/Time: Teams Meeting 1:30 p.m. – 2:30 p.m.

Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2021/04/19

Attendance

Chair: Chris Hamel (GMBP)
Attendees: Chris Hamel (GMBP - Project Mgr.), Danielle MacKinnon (GMBP - EA Support), Heather Melcher (Golder - Ecologist), Bob Fleeton (Project Advisor), Lisa Vespi (RMON - Project Mgr.), Jade Anema (RMON - Project Coordinator), Tony Cimino (RMON - Assoc. Director), David Denyes (MNRF - Mgmt Biologist, Guelph District), Karina Cerniavskaja (MNRF - District Planner, Supporting Guelph District)

Items Discussed for Information

1. Meeting Objectives

- This meeting will provide an overview of the South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment (EA). This meeting will also provide opportunity for discussion and confirmation of permit and approval requirements related to MNRF under the Class EA and subsequent design and construction phases.

2. Project Overview

- This Class EA was initiated based on Niagara Region’s 2016 Water & Wastewater Master Servicing Plan (MSP) recommendations. The MSP identified significant growth in South Niagara Falls, particularly south of Welland River.
- Phases 1 & 2 of this Class EA process reviewed the broader South Niagara Falls area to select a long list of potential Wastewater Treatment Plant (WWTP) sites, receiving waterbodies for the WWTP outfall location, and strategies for the sewer collection system. Phase 2 selected the preferred “Site 8” (located along Reixinger Road, Niagara Falls), outfall to Chippawa Creek (Welland River East), and general sewer alignment strategy. This information was presented publicly in March 2020.
- This Class EA is currently working through Phase 3 of the Class EA process which includes refining the WWTP layout within the preferred site, reviewing constructability for the outfall, and undertaking detailed review of sewer alignments to capture flows to the new WWTP site.

3. WWTP Site

- Detailed site investigations continue this spring. These investigations include: Stage 2 Archaeological Assessment, Cultural Heritage Evaluation Report, Phase I & II Environmental Site Assessments, Geotechnical Borehole Program, and Air/Odour/Noise modelling.
- The preliminary site layout is being refined based on known constraints (i.e. existing archaeological or environmentally sensitive features). The WWTP will be designed in phases, with an immediate 30 MLD phase, a 20-year Phase II 60 MLD expansion, and vision beyond for flexibility out to 90 MLD. The preferred site will accommodate needs of all WWTP phases.

4. Outfall Location

- Chippawa Creek (Welland River East) was selected as the preferred receiving waterbody. Assimilative Capacity Studies have been completed and accepted by MECP.
- Project Team is working through outfall constructability and will be selecting the outfall alignment extending north within the preferred site to Chippawa Creek. Outfall will be open cut to shoreline and anticipate installing outfall by fusing on land, extending into the waterway, and sinking to/residing on river bottom (12m deep) using anchors. To achieve this work, there will be isolated dredging along the shoreline.
- The outfall alignment will require working through known archaeological constraints and Class EA will identify next steps including Stage 3 Archaeological Assessment (and likely Stage 4) to be completed during detailed design.

5. Sewer Collection

- Three (3) key deep trunk sewer alignments were considered including Oakwood Drive, Montrose Road, and OPG Corridor (presentation attached for reference).
- The Montrose Road alignment was selected as the preliminary preferred deep trunk sewer. This will be tunneled west of the QEW (from the existing High Lift Sewage Pumping Station) and extend south along Montrose Road to Reixinger Road within the existing road right-of-way. The tunneled sewer will then extend east along Reixinger Road to reach the preferred WWTP site.
- This Class EA recently completed geotechnical investigations along the trunk sewer alignment which showed poor overburden soils. Results are currently being explored with consideration for increasing depth to remain within bedrock. This would place the trunk sewer well below the river bottom for the required Welland River crossing.
- The tunnel shaft locations are not located in the Provincially Significant Wetland or 30m buffer boundaries. While the sewer does travel through some of these boundaries, it will be installed by tunneling with no disturbance. There is a tunnel shaft located at the intersection of Montrose Road and Reixinger Road that will have impact to an existing woodlot. It is anticipated that the woodlot will need to be addressed as part of the Montrose Road widening EA and construction project.
- Another Class EA component is to collect the existing Peel Street Sewage Pumping Station located in Thorold South. This includes selecting a preferred sewer network to convey flows to the new WWTP site. The Project Team is currently working with City of Niagara Falls and City of Thorold to select an alignment that has best constructability, is cost effective, and supports approved future growth in an efficient location.
- The Montrose Road deep trunk sewer and the Thorold South collection system alignment will be presented in detail at the next Public Information Centre.

6. Permits & Approvals

- South Niagara Falls Wastewater Solutions will satisfy Schedule C Class EA requirements. This requires completion of all 5 phases of the Municipal Class EA process.
- This meeting is a good opportunity to discuss current approvals under the Class EA process and identify right commitments moving forward to detailed design and construction.
- A map was presented to MNRF to show the following features: Provincially Significant Wetlands (with 30m buffer), Significant Woodlots, and Deer Wintering Areas.
- The proposed outfall location will require construction and in-water works within the Provincially Significant Wetlands and Significant Woodlot lands.
- MNRF is involved in the wetland review process. MNRF reviews wetland boundary revisions for Ministry records. For any boundary changes, an OWES qualified individual must submit a boundary review request to MNRF. Wetlands are considered an open file and can be reviewed at any point that new information becomes available.

- Potential impacts to wetlands (i.e. shoreline construction) require Conservation Authority and Municipal planning involvement. Project Team notes MECP, NPCA, DFO, and Municipal Planners have been involved in the project.
- MNRF notes that depending on ownership of Chippawa Creek, project may fall under Public Land Works and require a shoreline easement. A land specialist will be involved at the detailed design stage to confirm requirements.
- Local timing windows for in-water works should be considered during construction for fish carrying out spawning and nurseries (confirmed at detailed design phase). The Welland River and Chippawa Creek are warm weather waterbodies and should be avoided from March 1st – July 1st.
- There are known species at risk in the area. Golder has been on site numerous occasions to undertake field surveying. To date, Golder has completed species at risk screening, habitat assessment, two breeding bird surveys, ecological land classification, and wetland delineation (with NPCA) along shoreline.
- For detailed design, a Crown Land Work Permit may be required (information available for review online) as well as the Lakes and Rivers Improvement Act.
- MNRF has fisheries information available (survey report) completed near triangle island - just east of preliminary preferred outfall location. David to send report to Project Team for review and consideration under the Class EA.

7. Class EA Next Steps

- Property Owner Meetings – April/May 2021
- Stakeholder Meetings – April/May 2021
- Archaeological/Cultural Heritage Site Investigations – May/June 2021
- Public Information Centre No. 4 (final Class EA event) – Late Spring/Early Summer
- Class EA Environmental Study Report available for review – Summer 2021

Items in Agreement

- MNRF has no immediate concerns or further approvals/permits required for the South Niagara Falls Wastewater Solutions Class EA. MNRF will be added to the Class EA contact list and will receive notification of the upcoming Public Information Centre No. 4, as well as the final Environmental Study Report for review when available. MNRF will continue to be involved through the Post-Class EA detailed design stage to review and provide appropriate guidelines as required.

[Click here to enter text.](#)

Action Items	Action By
<ul style="list-style-type: none"> • MNRF has fisheries information available (survey report) completed near triangle island - just east of preliminary preferred outfall location. David to send report to Project Team for review and consideration under the Class EA. 	DD
<ul style="list-style-type: none"> • Danielle to include David & Karina on the Class EA contact distribution list. Contacts will receive notice of upcoming PIC and ultimately the Notice of Completion with opportunity to review the final Environmental Study Report. 	DM
<ul style="list-style-type: none"> • Project Team will continue to engage NPCA for potential wetland impacts; DFO for plant discharge to Chippawa Creek; MECP/NPCA for Species at Risk, and MNRF for Work Order when required for detailed design. 	Class EA Project Team

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

DRAFT

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

MNRF Project Overview

Monday, April 19, 2021

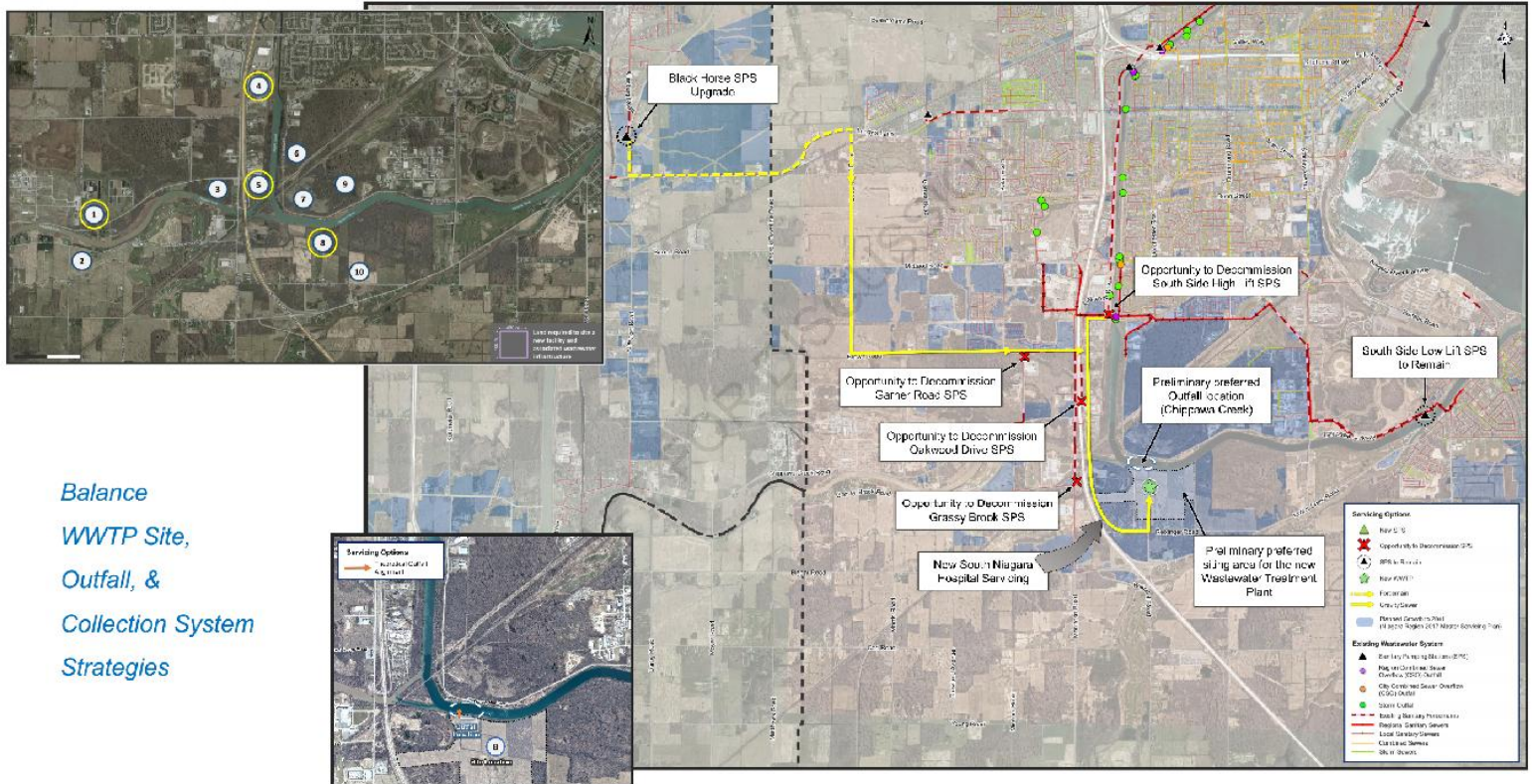
Microsoft Teams Meeting



Meeting Agenda

1. South Niagara Falls Class EA Overview & Project Status
2. WWTP Site Review
3. Plant Outfall Location
4. Collection Strategy Review
5. Discuss MNRF Permits & Requirements
6. Class EA Next Steps

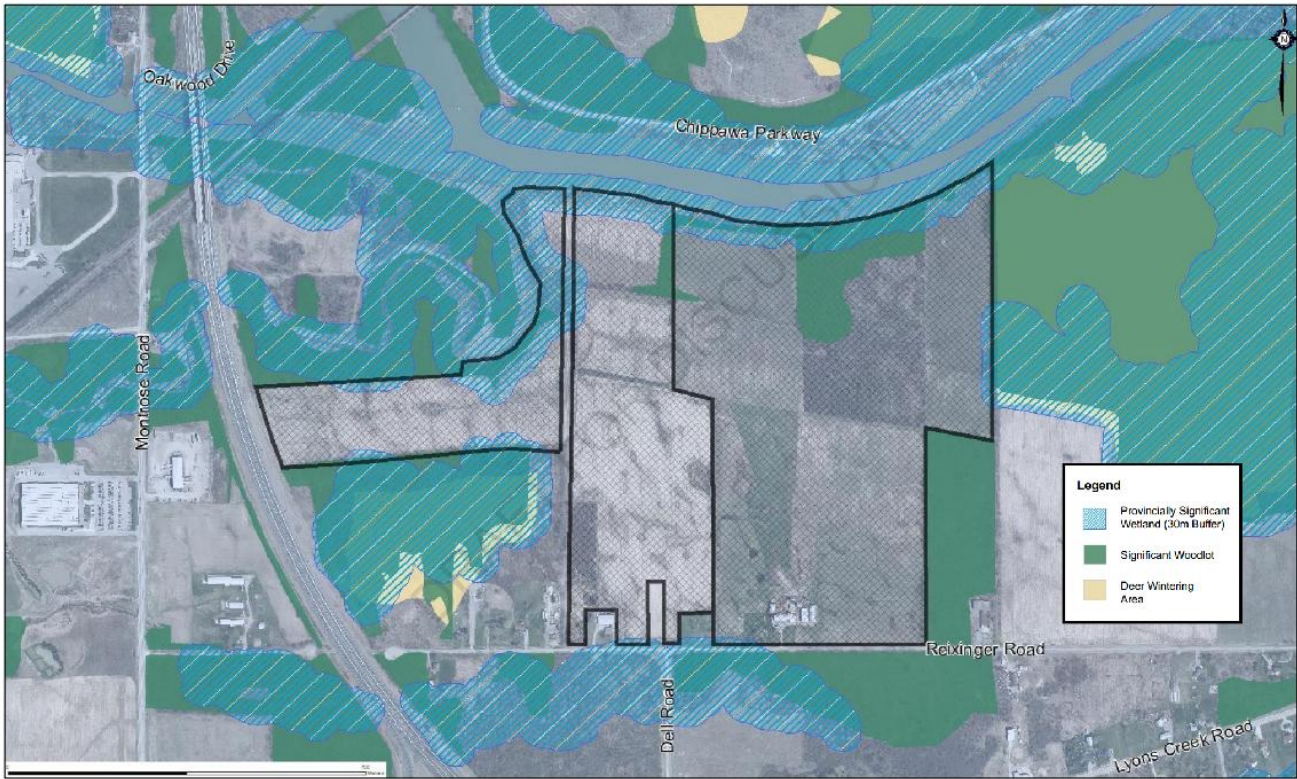




Balance
WWTP Site,
Outfall, &
Collection System
Strategies

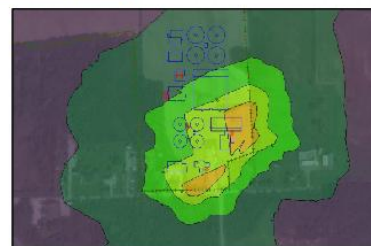
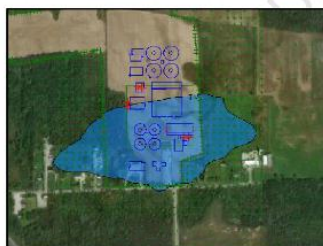
SNF WWS Investigations

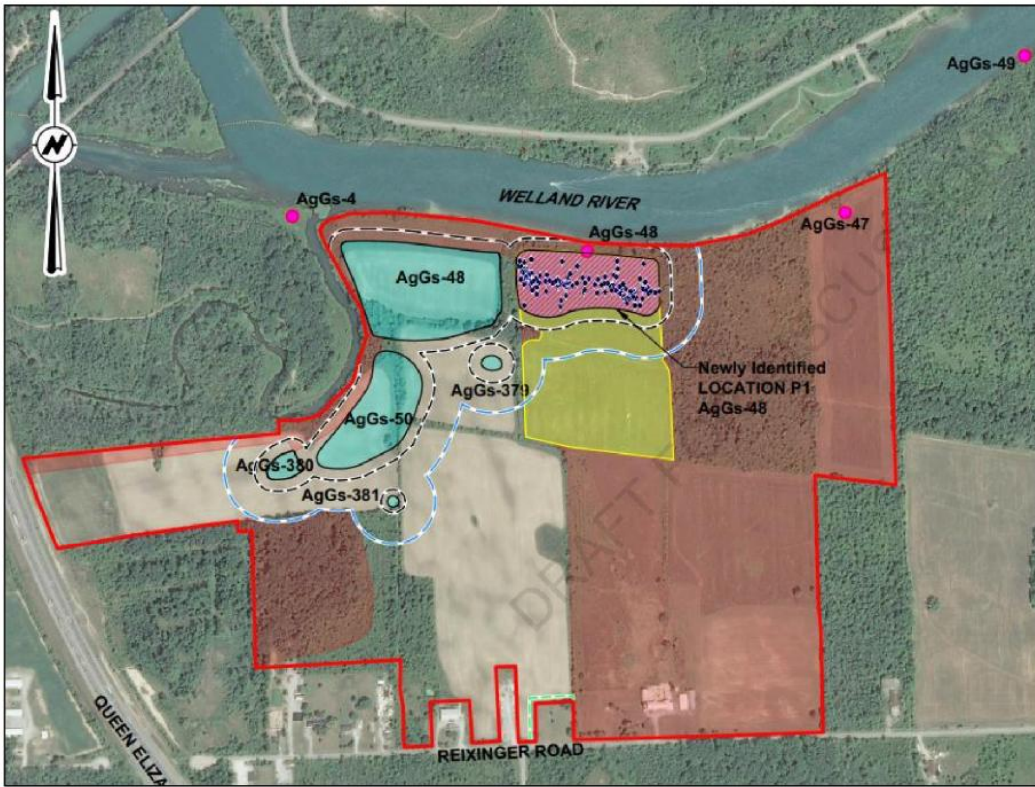
1. Completed Investigations
 - Baseline Natural Environmental Constraints
 - Stage I Archaeological Assessment
 - Cultural Heritage Screening
 - Agricultural Screening
 - Baseline Geotechnical
 - Baseline Hydrogeological
2. Ongoing Investigations
 - Stage 2 Archaeological Assessment (WWTP Site)
 - Cultural Heritage Evaluation Report (WWTP Site)
 - Noise, Odour, & Air Assessment (WWTP Site)
 - Phase I & II Environmental Site Assessment (WWTP Site & Trunk Sewer Alignment)
 - Geotechnical & Hydrogeological (WWTP Site & Trunk Sewer Alignment)



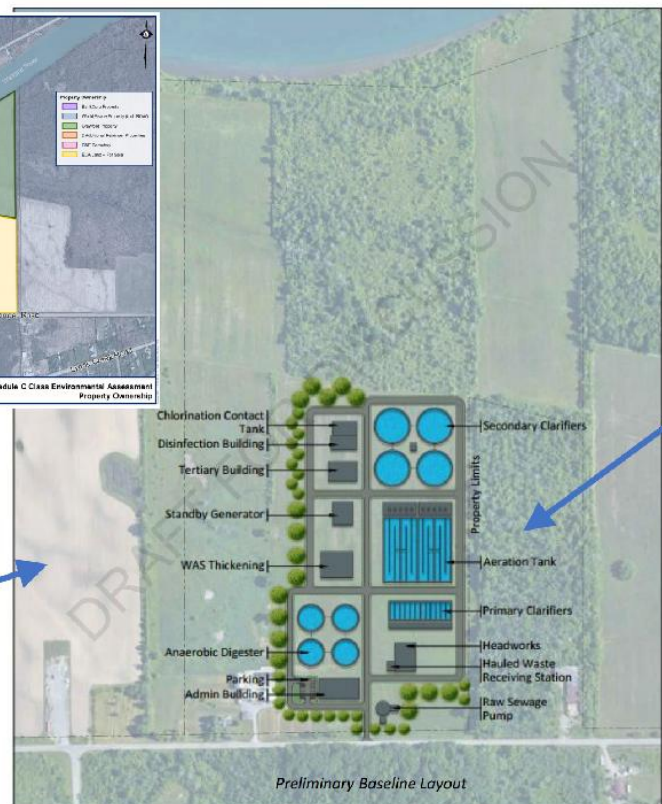
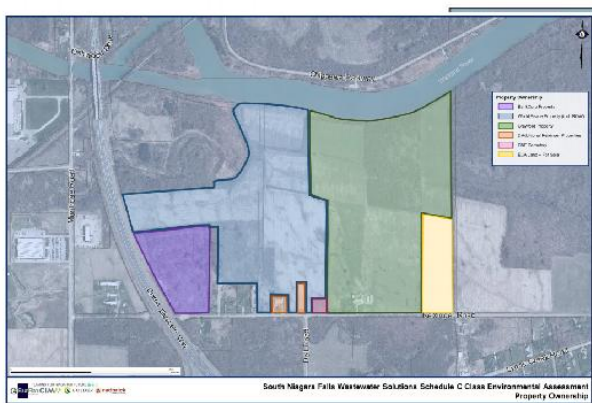
WWTP Site Considerations

1. Odour
2. Air
3. Noise





Preliminary Site Layout



Consider for coordination for other uses and future flexibility

Consider for additional buffer and future flexibility

Prioritized Criteria:

- Flexibility for upgrades in the future
- Minimize impact to existing properties
- Maximize buffer/separation from existing land uses
- Minimize mitigation requirements for archaeological and environmental features
- Provide greatest opportunity for landscaping/screening and minimizing visual and aesthetic impact
- Minimizing property purchase and coordinating with 1 property owner for the WWTP site if possible
- Consider potential integration with coordinated municipal facilities (CoNF)



Outfall Requirements

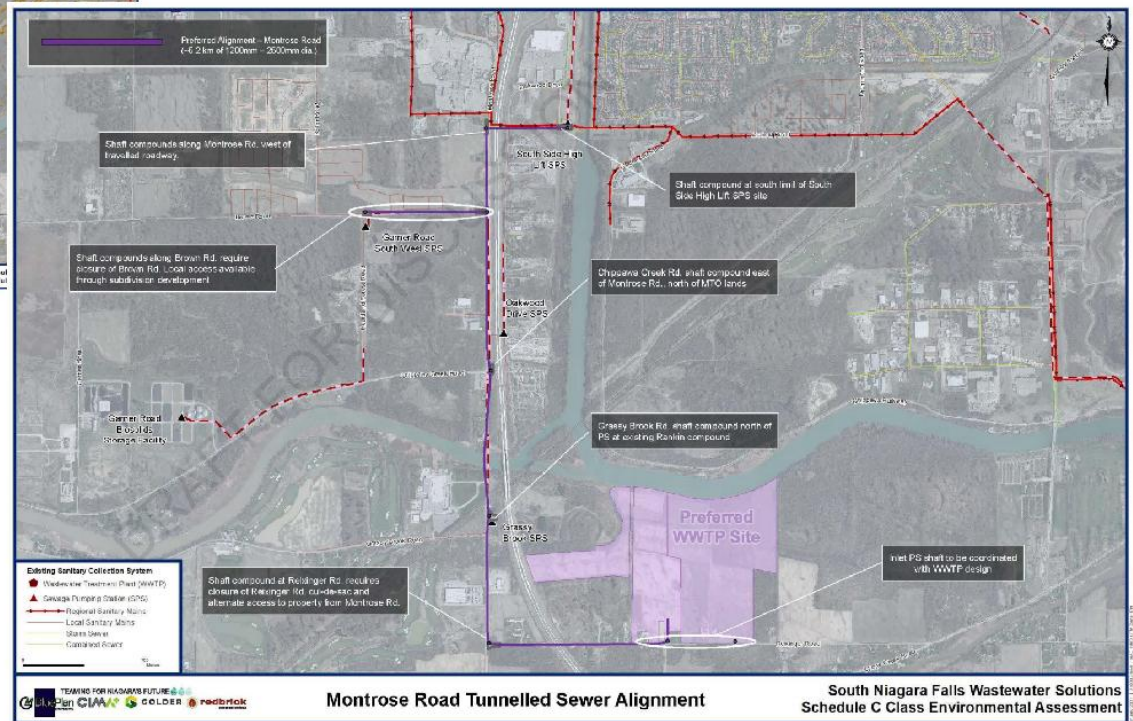
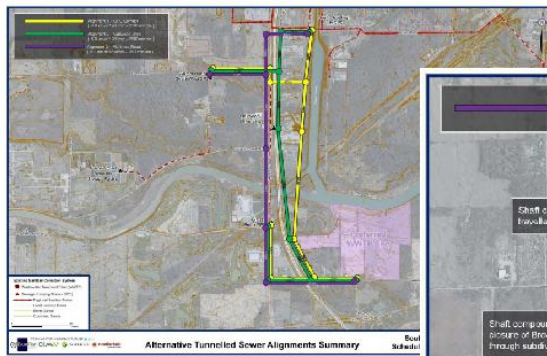
Preliminary preferred outfall alignment



Outfall Requirements:

- Anticipate building on shore and sinking outfall to river bottom
- Will require some in-water work at shoreline
- Will require construction area near shoreline
- Proposing to install outfall by open cut
- Preliminary and final design based on WWTP layout
- Held site visit with NPCA in Nov 2020 to discuss Provincially Significant Wetland feature
- Will require focused Stage 3 and Stage 4 Archaeological Work & Environmental issues/mitigation reporting



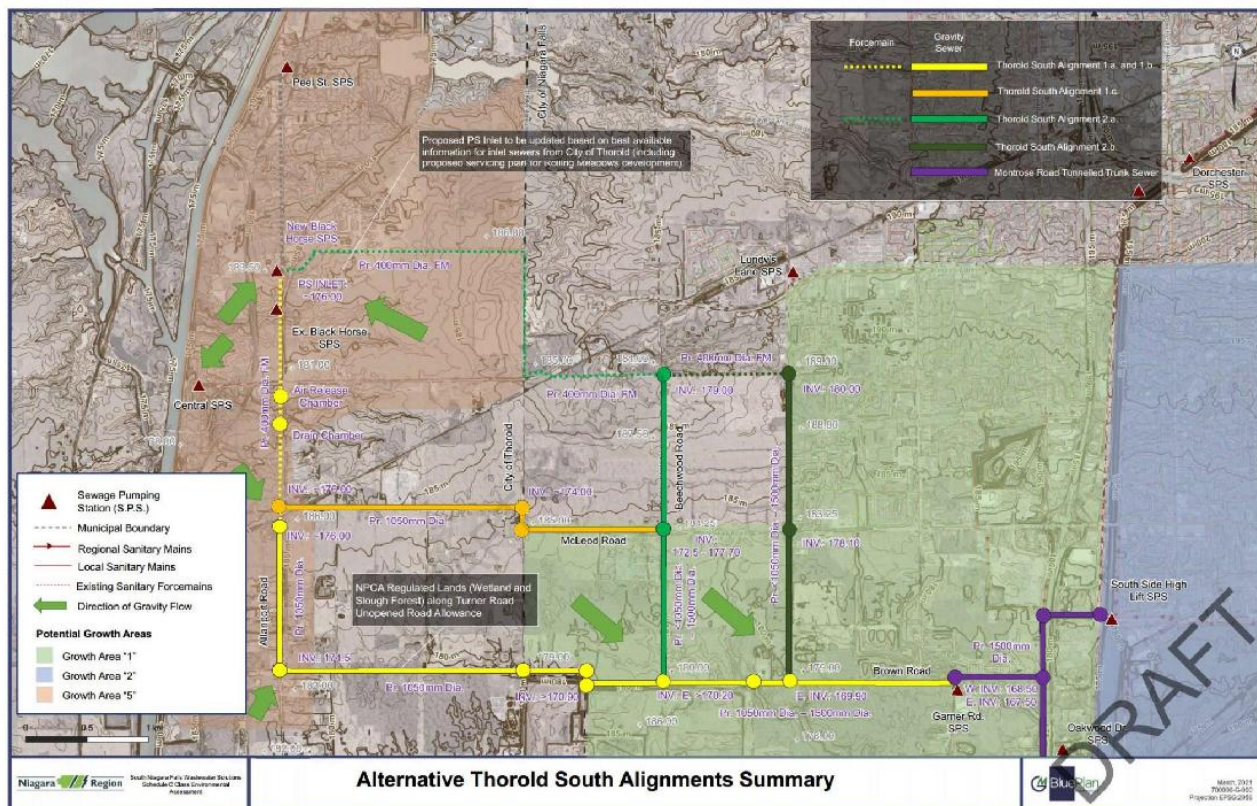


Montrose Road Alignment Benefits

1. Montrose provides:
 - Direct route
 - Efficient connection of existing collection system and decommissioned SPS
 - Key connection points on both sides of the QEW for future growth areas and at a depth to support gravity servicing
 - Maintains required separation from QEW (MTO)
2. Preferred alignment maintains sewer and manholes within existing Montrose Road ROW
3. Shaft compounds are located within ROW. 1 shaft requires property which is owned by the City of Niagara Falls near existing Grassy Brook SPS. Reixinger shaft will require temporary access for 1 owner.
4. Montrose Road will not require closure. Both directions of traffic maintained.
5. Brown Road will require isolated closure with manageable traffic detour for local traffic
6. Ongoing coordination with Montrose Road Class EA and road/servicing work south of Reixinger adjacent to the Hospital will be undertaken



Thorold South – Forcemain/Sewer



- Class EA vs. Detailed Design
- Outfall Shoreline Construction & In-Water Works
 - Provincially Significant Wetland Designation
 - Significant Woodlot Designation
- Sewer Alignment within Provincially Significant Wetland 30m buffer
- Sewer Alignment River Crossing (Tunneled)



Next Steps

- Property Owner Meetings – April/May
- Stakeholder Meetings – April/May
- Archaeology & Cultural Heritage Investigations – May/June
- Public Information Centre No. 4 – Late Spring/Early Summer 2021
- Class EA Environmental Study Report – Summer 2021



V4.8.5

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Niagara Peninsula Conservation Authority

April 10, 2019

250 Thorold Road West, 3rd Floor
Hamilton, Ontario L8P 4Y7

**RE: Notice of Study Commencement
South Niagara Wastewater Solutions Schedule 'C' Class Environmental
Assessment**

Dear Mr. Deluce:

Thank you for your participation and input in our recent stakeholder pre-consultation meeting for the South Niagara Wastewater Solutions Class Environmental Assessment (EA) study. We look forward to your valued involvement through each step of the Class EA study process.

Please find attached the Notice of Study Commencement. This Class EA will select a location for a new South Niagara wastewater treatment plant and plan improvements to upgrade the sewer system to support growth and protect the environment.

Siting the location for a new wastewater treatment plant in South Niagara Falls will mean balancing different priorities and making tough decisions for our community. There are many factors to consider and the purpose of the EA is to evaluate all of these factors in order to make an informed decision.

The Region will ensure that key stakeholders and the public have a voice at each step along the way to help the study select a site for the new plant and a plan for upgrades to the sewer system that works for the community.

As part of the study's consultation program, the Niagara Peninsula Conservation Authority is a key member of the External Steering Committee and we look forward to a continued partnership through this Class EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng.

Project Manager
Regional Municipality of Niagara
Phone: 905.980.6000 ext. 3640
Email: newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Project Manager
GM BluePlan Engineering
Phone: 416.577.2500
Email: chris.hamel@gmblueplan.ca

Enclosed: Notice of Study Commencement

May 9, 2019

Niagara Peninsula Conservation Authority
250 Thorold Road West, 3rd Floor
Welland, Ontario L3C 3W2

Dear Mr. Deluce:

**RE: Notice of Public Information Centre No.1 for South Niagara Falls
Wastewater Solutions Schedule 'C' Class Environmental Assessment**

Please find attached the Notice of Public Information Centre No.1, which was first published in local newspaper *Niagara This Week* on May 9, 2019.

Public Information Centre No.1 will be held:

Date / Time:	Tuesday May 28, 2019 – 5:00 to 8:00 p.m.
Location:	Boys & Girls Club of Niagara 8800 McLeod Road, Niagara Falls, ON, L2H 0Y8

Niagara Region is undertaking this Municipal Class Environmental Assessment (EA) in the South Niagara area which includes the addition of a new wastewater treatment plant and the pipework to connect to the existing system.

If you would like more information or would like to be removed from the study's contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416.577.2500
chris.hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No.1

Danielle MacKinnon - GM BluePlan

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Thursday, September 24, 2020 11:51 AM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions
Attachments: 2019-11-07-NPCA-SNFWWTP-EA.Ltr.pdf; 3965 South Niagara Falls Wastewater Solutions Mailout PIC2.pdf

Danielle,

See below.

Jade

From: New Treatment Plant
Sent: Monday, November 11, 2019 11:16 AM
To: Thomas Proks <tproks@npca.ca>
Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

Hello Mr. Proks

Please find attached the Notice of Public Information Centre No. 2 and Notification letter for South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you wish to be removed, and/or would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Thank you,

South Niagara Falls Wastewater Solutions Project Team

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received this communication in error, please re-send this communication to the sender and permanently delete the original and any copy of it from your computer system. Thank you.

November 7, 2019

Mr. Thomas Proks, P.Geo.
Source Protection Project Manager
Niagara Peninsula Conservation Authority
250 Thorold Road West
3rd. Floor
Welland, ON L3C 3W2

Dear Mr. Proks:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
City of Niagara Falls
Our File: O.01.04 99 20000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. This PIC will present the long list of potential wastewater treatment plant sites and offer the opportunity to comment and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date and Time: Wednesday, November 20, 2019 – 5 to 7 p.m.
Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3:00 to 4:00 p.m.

We look forward to your continued involvement through this EA process.

Sincerely,



Ms. Lisa Vespi, P.Eng., PMP®
Senior Project Manager
Water and Wastewater Engineering
Water and Wastewater Services
905-980-6000, ext. 3640
new.treatment.plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416-577-2500
Chris.Hamel@gmblueplan.ca

LV/at

(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls
WWTP\Project Management\Correspondence\Letters\2019\2019_11_06_OPG-SNFWWTP-EA.Ltr.docx)

Attach.

February 27, 2020

Notice of Public Information Centre No. 3 for South Niagara Falls Wastewater Solutions Schedule ‘C’ Class Environmental Assessment

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in South Niagara Falls and to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Attached to this cover letter is the Notice of Public Information Centre (PIC) No. 3. The Region will be presenting the preliminary preferred solution including the **proposed wastewater treatment plant site, associated sewer strategy and plant discharge location.**



Figure: Preliminary Preferred Solution Site and Outfall

The public will have the opportunity to speak to the project team and provide comments and input on the preliminary preferred solution.

Public Information Centre No. 3 is open house format and will be held:

Date / Time:	Wednesday, March 11, 2020 – 5 to 7 p.m.
Location:	MacBain Community Centre – Multi Purpose Room D and E 7150 Montrose Road, Niagara Falls, ON, L2H 3N3

If you are unable to attend in-person, we encourage you to view our live feed on the Region’s Facebook page (www.facebook.com/niagararegion) on Wednesday, March 11, 2020 from 3 to 4 p.m. or watch the recording that will be posted after the meeting.

For more information and to learn about the benefits of this project please visit the project’s website at www.niagararegion.ca/projects/south-niagara-falls-treatment-plant. To be removed from the study’s contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study. We look forward to your continued involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager, Niagara Region
905.980.6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager, GM BluePlan Engineering
416.703.0667
Chris.Hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No. 3

Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Tuesday, October 27, 2020 9:53 AM
To: tproks@npca.ca
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: South Niagara Falls Wastewater Solutions
Attachments: NPCA Natural Heritage Areas.JPG

Hi Tim,

My name is Jade and I am the Project Coordinator at Niagara Region working on *South Niagara Falls Wastewater Solutions*, which is a Schedule C Class EA, that has recently selected a preferred site along Reixinger Road for a new Wastewater Treatment Plant.

I wanted to reach out to notify you that our team has completed additional environmental investigations on the preferred site (please see attached) to identify species at risk and confirm locations of provincially significant wetlands. In addition, our team will be conducting further archaeological and cultural heritage investigations through November.

Following our archeological and cultural heritage investigations, we are hoping to coordinate a site walk through in late November with NPCA. This visit will look to review site features and clarify setback requirements. I will follow-up in the coming weeks when I received more information regarding site features and timing for this meeting.

In the meantime, please feel free to contact me with any questions or concerns.

Regards,

Jade Anema, MBA, PMP, EIT
Project Coordinator, Water and Wastewater Engineering
Niagara Region
Phone: 289-241-5705
www.niagararegion.ca

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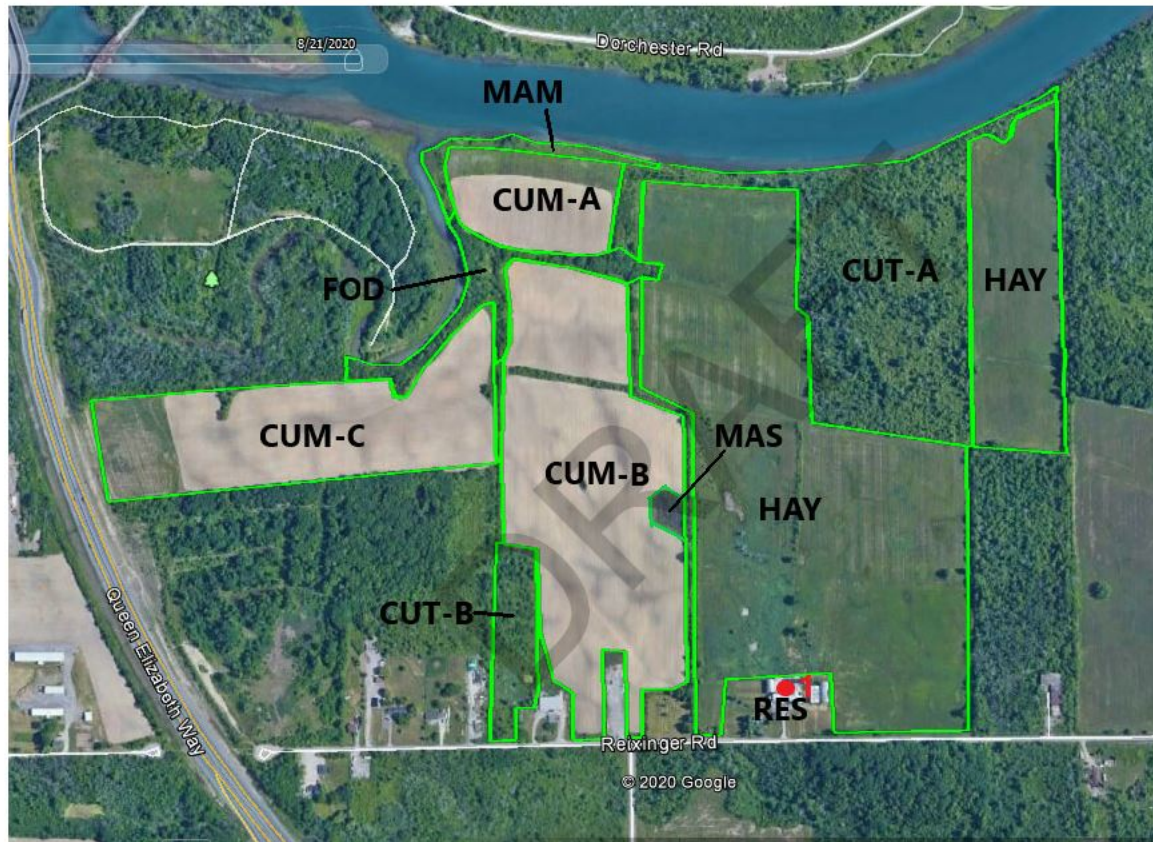


Figure 1: Identified ELC Features from August 2020 Field Survey

Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Friday, November 06, 2020 11:53 AM
To: D Deluce
Cc: Danielle MacKinnon - GM BluePlan; Vespi, Lisa; Chris Campbell - GM BluePlan
Subject: South Niagara Falls Wastewater Solutions
Attachments: NPCA Natural Heritage Areas.JPG

Importance: High

Hi David,

My name is Jade and I am the Project Coordinator at Niagara Region working on *South Niagara Falls Wastewater Solutions*, which is a Schedule C Class EA, that has recently selected a preferred site along Reixinger Road for a new Wastewater Treatment Plant.

I wanted to reach out to notify you that our team has completed additional environmental investigations on the preferred site (please see attached) to identify species at risk and confirm locations of provincially significant wetlands. In addition, our team will be conducting further archaeological and cultural heritage investigations through November.

We are looking to coordinate a site walk through November 9 -13th with NPCA. This visit will look to review site features and clarify setback requirements. Can you please suggest a few meeting times that work for your group for an on-site meeting in the next week?

Feel free to contact me with any questions or concerns.

Regards,

Jade Anema, MBA, PMP, EIT
Project Coordinator, Water and Wastewater Engineering
Niagara Region
Phone: 289-241-5705
www.niagararegion.ca

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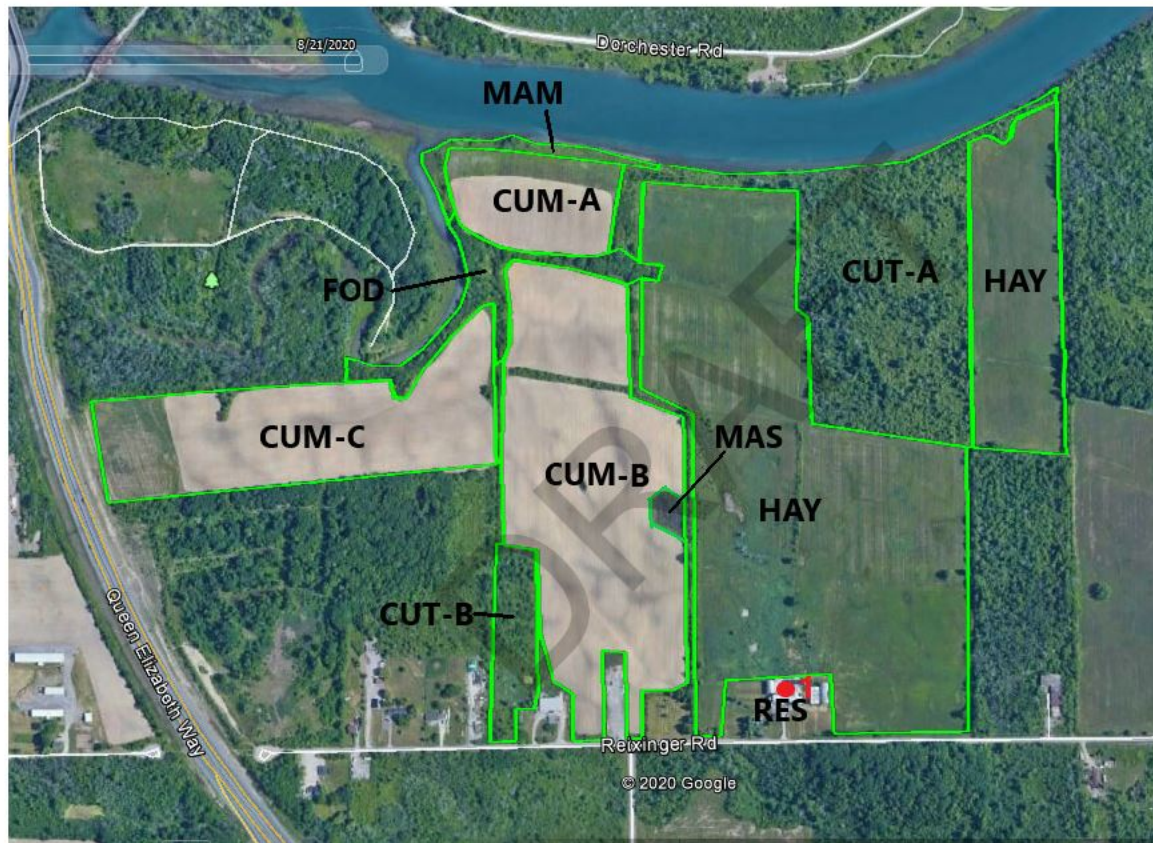


Figure 1: Identified ELC Features from August 2020 Field Survey

Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Tuesday, November 10, 2020 8:44 AM
To: Adam Aldworth
Cc: Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: RE: South Niagara Falls Wastewater Solutions

Hi Adam,

I am trying to confirm a time as well with Jennifer Harvard at MNRF. The meeting with by myself, Lisa Vespi (Region), and Heather Melcher (Golder Associates).
I'm aiming for a 1:30 pm site visit.

Thanks,
Jade

From: Adam Aldworth <aaldworth@npca.ca>
Sent: Monday, November 9, 2020 4:10 PM
To: Anema, Jade <Jade.Anema@niagararegion.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; chris.campbell@gmblueplan.ca
Subject: RE: South Niagara Falls Wastewater Solutions

CAUTION: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Hi Jade,

It'll just be myself from the NPCA at this point on Thursday afternoon. What time were you thinking?

Thanks,
Adam

Adam Aldworth, BSc, EP
Ecological Technician | Planning & Regulations

Niagara Peninsula Conservation Authority (NPCA)
250 Thorold Road West, 3rd Floor, Welland, ON, L3C 3W2
905-788-3135, ext. 248
aaldworth@npca.ca
www.npca.ca

Thank you for your email. Due to the COVID-19 pandemic, the NPCA has taken measures to protect staff and public while providing continuity of services. NPCA enforcement, permitting and planning functions are continuing to operate, however there may be delays in receiving responses to inquiries or complaints due to staff restrictions and remote work locations. Updates with regards to NPCA operations and activities can be

found on our website at www.npca.ca/our-voice, the NPCA Facebook page at <https://www.facebook.com/NPCAOntario> and on Twitter at https://twitter.com/NPCA_Ontario.

For more information on Permits, Planning and Forestry please go to the Permits & Planning webpage at <https://npca.ca/administration/permits>.

For mapping on features regulated by the NPCA please go to our GIS webpage at <https://gis-npca-camaps.opendata.arcgis.com/> and utilize our Watershed Explorer App or GIS viewer.

To send NPCA staff information regarding a potential violation of Ontario Regulation 155/06 please go to the NPCA Enforcement and Compliance webpage at <https://npca.ca/administration/enforcement-compliance>.

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From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: November 9, 2020 1:45 PM
To: Adam Aldworth <aaldworth@npca.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; chris.campbell@gmblueplan.ca
Subject: FW: South Niagara Falls Wastewater Solutions
Importance: High

Hi Adam,

Thanks for taking time to discuss the new proposed South Niagara Falls Wastewater Treatment Plant today. I have included my email to David below regarding our on-site meeting this week. We are hoping to meet Thursday November 12th afternoon if that works for yourself and Jessica. I have also attached a recent summary of the natural environment field investigation at the property.

Thanks again,

Jade Anema, MBA, PMP, EIT
Project Coordinator, Water and Wastewater Engineering
Niagara Region
Phone: 289-241-5705
www.niagararegion.ca

From: Anema, Jade
Sent: Friday, November 6, 2020 11:53 AM
To: D Deluce <ddeluce@npca.ca>
Cc: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; 'chris.campbell@gmblueplan.ca' <chris.campbell@gmblueplan.ca>
Subject: South Niagara Falls Wastewater Solutions
Importance: High

Hi David,

My name is Jade and I am the Project Coordinator at Niagara Region working on *South Niagara Falls Wastewater Solutions*, which is a Schedule C Class EA, that has recently selected a preferred site along Reixinger Road for a new Wastewater Treatment Plant.

I wanted to reach out to notify you that our team has completed additional environmental investigations on the preferred site (please see attached) to identify species at risk and confirm locations of provincially significant wetlands. In addition, our team will be conducting further archaeological and cultural heritage investigations through November.

We are looking to coordinate a site walk through November 9 -13th with NPCA. This visit will look to review site features and clarify setback requirements. Can you please suggest a few meeting times that work for your group for an on-site meeting in the next week?

Feel free to contact me with any questions or concerns.

Regards,

Jade Anema, MBA, PMP, EIT

Project Coordinator, Water and Wastewater Engineering

Niagara Region

Phone: 289-241-5705

www.niagararegion.ca

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Danielle MacKinnon - GM BluePlan

From: Anema, Jade <Jade.Anema@niagararegion.ca>
Sent: Friday, November 13, 2020 8:59 AM
To: Adam Aldworth; Heather_Melcher@golder.com; Vespi, Lisa
Cc: Danielle MacKinnon - GM BluePlan; Sarah Mastroianni; D Deluce
Subject: SNF WWS Site Walkthrough
Attachments: 2020_11_12_NPCA Walk Through.docx

Hi All,

It was great to meet yesterday and get our feet on the ground at the new site. Please find attached draft minutes from the South Niagara Falls Wastewater Solutions (SNF WWS) walkthrough meeting November 12th.

If there are any errors or edits to the minutes, kindly let me know and I will adjust. I hope to circulate the final minutes (pdf) by Wedn Nov 18 if there are any edits.

Thanks again for your time yesterday, We look forward to working with NPCA on this project.

Jade Anema, MBA, PMP, EIT

Project Coordinator, Water and Wastewater Engineering
Niagara Region

jade.anema@niagararegion.ca

Phone: 289-241-5705

www.niagararegion.ca

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Meeting Minutes: SNF WWS – NPCA Site Walkthrough

ADM-ALL-ALL-F-011

Meeting Date/Time: 2020/11/12
Location: 6811 Reixinger Road, Niagara Falls

Minutes Prepared by: Jade Anema (Region)
Date of Minutes: 2020/11/13

Attendance

Chair: N/A
Attendees: Lisa Vespi (Region), Jade Anema (Region), Heather Melcher (Golder), Adam Aldworth (NPCA)
Regrets: Jennifer Harvard (MNRF)

Matters Discussed & Action Items	Action By Date Required
1. WWTP	
<ul style="list-style-type: none"> The NPCA will support the preferred outfall construction method (tunneling vs. open cut) given the class EA process provides the best alternative for the protection of the natural environment. 	Region to consult NPCA following archeological findings on preferred location of outfall
<ul style="list-style-type: none"> Region does not need to avoid PSW/Woodlot all together if EA process suggests so; there are permits for tunneling under or open cut with mitigation measures and remediation through NPCA 	Region/Golder to keep in contact with NPCA
<ul style="list-style-type: none"> The MNRF will need to be consulted on the outfall construction method (tunneling vs. open cut) only if the Region wants to alter the PSW boundaries. 	Info
<ul style="list-style-type: none"> NPCA would prefer an outfall access road to not go through the woodlot, but within the agricultural field at 6811 Reixinger Road. 	Region/GMBP to consider
2. Reixinger Road/Montrose Road	
<ul style="list-style-type: none"> The Region is proposing a receiving/launching shaft within the northwest quadrant of the Reixinger/Montrose Road intersection, with approximately 100' x 100' compound for construction/laydown. 	Info
<ul style="list-style-type: none"> Region to consider timing of construction of shaft to limit impact to Grassy Brook fish species (avoid March – July) 	Region to consider

<ul style="list-style-type: none"> • Both Montrose/Grassy Brook Road and Montrose/Reixinger Road are heavily constrained by NPCA regulated features: • Montrose/Reixinger intersection includes a section of Lyons Creek (Type 2 Important Fish Habitat – 10 m buffer), and PSW Lyons Creek Wetland Complex (30 m buffer) • Montrose/Grassy Brook Intersection includes Grassy Brook (Type 1 Critical Fish Habitat – 15 m buffer) and a PSW Lower Grassy Brook Wetland Complex (30 m buffer) • Link to NPCA mapping: https://gis-npca-camaps.opendata.arcgis.com/ 	<p>Region/GMBP to consider for shaft locations</p>
--	--

Other Business Notes:

Minutes to be circulated to GMBP

Next Meeting: Following archaeological findings (TBD)

Date: YYYY/MM/DD

Location: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days issues of these minutes.

c. Attendees (by email)

Danielle MacKinnon - GM BluePlan

From: Joshua Diamond <jdiamond@npca.ca>
Sent: Tuesday, January 26, 2021 2:36 PM
To: Danielle MacKinnon - GM BluePlan
Cc: Anema, Jade; Vespi, Lisa
Subject: RE: South Niagara Falls WW Solutions - 2020 Water Quality Data
Attachments: Danielle MacKinnon_Lisa Vespa_2020_Welland River WQ Data_Jan_26_2021.xlsx

Hi Danielle,

Please find attached the 2020 NPCA water quality data you requested. Let me know if you or team have any questions and I would be happy to assist.

Thanks,

Josh

**Joshua Diamond M.Sc, C.Tech.
Water Quality Specialist**

Niagara Peninsula Conservation Authority (NPCA)
250 Thorold Road West, 3rd Floor | Welland, ON L3C 3W2
Tel: 905-788-3135 | extension 246
jdiamond@npca.ca
www.npca.ca

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: Wednesday, January 20, 2021 1:08 PM
To: Joshua Diamond <jdiamond@npca.ca>
Cc: Anema, Jade <Jade.Anema@niagararegion.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: South Niagara Falls WW Solutions - 2020 Water Quality Data

Good afternoon Josh,

Thank you for participating in yesterday's South Niagara Falls WW Solutions meeting. Following these discussions, our team is interested in receiving available 2020 water quality data from the NPCA monitoring sites.

The previous data covered the following watersheds: Grassy Brook (GR001), Lyons Creek (LY003), Power Canal (PR001), Thompson Creek (TC001), and Welland River (WR011 and WR009B).

If you have any questions, or would like me to submit a formal request for information, please let me know.

Thanks again,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



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Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Wednesday, February 03, 2021 9:19 AM
To: Chris Hamel - GM BluePlan; Chris Campbell - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca; yanhong.du@ontario.ca
Cc: jennifer.harvard@ontario.ca; ngreen@npca.ca; ke.jones@opg.com; alison.bradley@opg.com
Subject: RE: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
Attachments: SNFWWS - Agency Update Minutes 20210119 (DRAFT).pdf

Hi All,

Thank you for participating in the South Niagara Falls Wastewater Solutions Class EA – Agency Update Meeting on January 19th, 2021. Please find the meeting minutes attached for your review and record.

For proposed meeting minute revisions, please download the following document and respond to this email with any tracked changes: [https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS - Agency Update Minutes 20210119 \(DRAFT\).docx](https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS_-_Agency_Update_Minutes_20210119_(DRAFT).docx)

If you have any comments or questions please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



-----Original Appointment-----

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, November 20, 2020 12:29 PM
To: Danielle MacKinnon - GM BluePlan; Chris Hamel - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; ke.jones@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca
Subject: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
When: Tuesday, January 19, 2021 1:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: GoTo Meeting

Thank you for your continued participation in the *South Niagara Falls WW Solutions Schedule C Class EA*. Please join using the GoTo Meeting details below, to walk through preliminary design concepts for the new South Niagara Falls WWTP site and related sewer components.

This invite has been extended to the following groups: Ministry of the Environment, Conservation and Parks; Niagara Peninsula Conservation Authority; Ministry of Natural Resources and Forestry; and Ontario Power Generation. This meeting will look for your initial feedback and input ahead of our next Public Information Centre, anticipated for early Spring 2021.

SNFWWS - Design Concept Review

Tue, Jan 19, 2021 1:00 PM - 3:30 PM (EST)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/261552037>

You can also dial in using your phone.

Canada: [+1 \(647\) 497-9373](tel:+16474979373)

Access Code: 261-552-037

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Danielle MacKinnon - GM BluePlan

From: David Deluce <ddeLUce@npca.ca>
Sent: Wednesday, March 10, 2021 8:58 AM
To: Matthew Fisher - GM BluePlan; Adam Aldworth; Joshua Diamond
Cc: Vespi, Lisa; Anema, Jade; Danielle MacKinnon - GM BluePlan
Subject: RE: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

Hi Matt,

We are working on putting together a response to your question below and will have that to you shortly. If you have any questions, please let me know.

Regards,

David Deluce, MCIP, RPP
Senior Manager, Planning & Regulations
Niagara Peninsula Conservation Authority (NPCA)
250 Thorold Road West, 3rd Floor, Welland, ON, L3C 3W2
905-788-3135, ext. 224
ddeLUce@npca.ca
www.npca.ca

Thank you for your email. Due to the COVID-19 pandemic, the NPCA has taken measures to protect staff and public while providing continuity of services. NPCA enforcement, permitting and planning functions are continuing to operate, however there may be delays in receiving responses to inquiries or complaints due to staff restrictions and remote work locations. Updates with regards to NPCA operations and activities can be found on our website at www.npca.ca/our-voice, the NPCA Facebook page at <https://www.facebook.com/NPCAOntario> and on Twitter at https://twitter.com/NPCA_Ontario.

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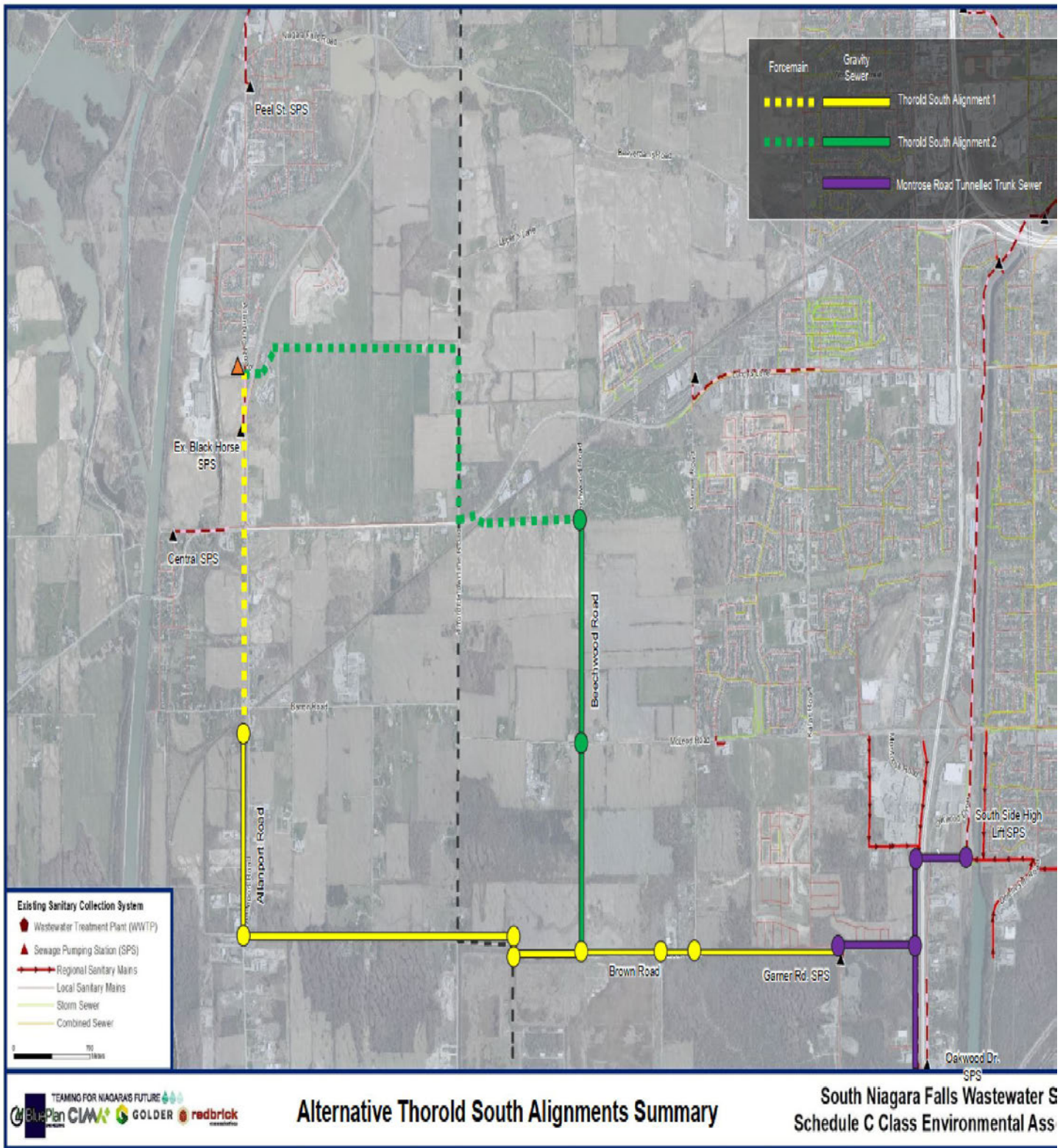
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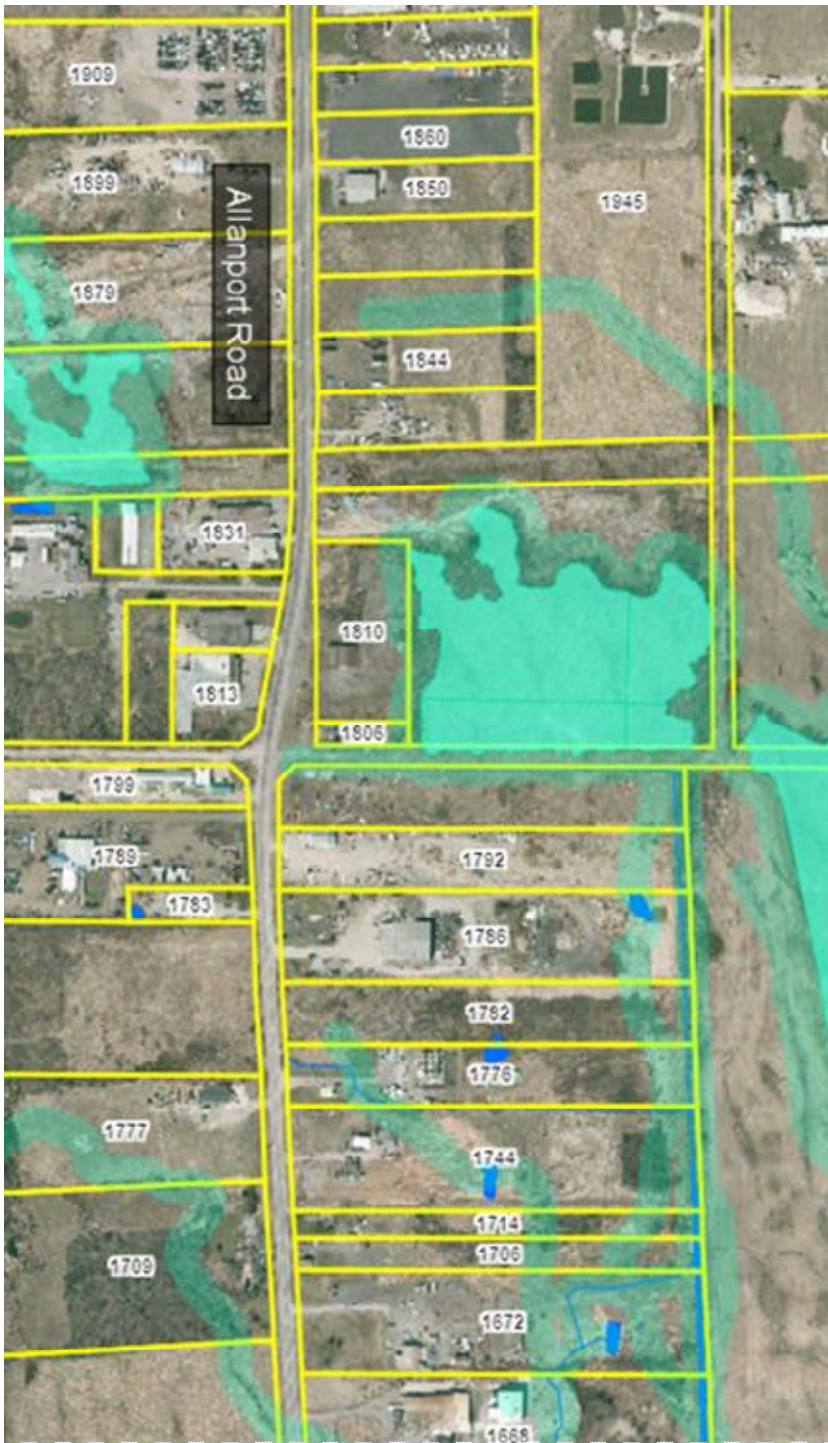
From: Matthew Fisher - GM BluePlan <Matthew.Fisher@gmblueplan.ca>
Sent: February 25, 2021 3:56 PM
To: Adam Aldworth <aaldworth@npca.ca>; Joshua Diamond <jdiamond@npca.ca>; David Deluce <ddeLUce@npca.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

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I'd be happy to review the project further with you over a call. We can go over any additional comments / concerns you have on the alignment alternatives. If you would like any additional info for review right now please let me know.

Thanks,

Matt

Matthew Fisher, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7203 | c: 416.459.5135
matthew.fisher@gmblueplan.ca | www.gmblueplan.ca



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Danielle MacKinnon - GM BluePlan

From: Matthew Fisher - GM BluePlan
Sent: Friday, March 12, 2021 1:02 PM
To: David Deluce
Cc: Vespi, Lisa; Anema, Jade; Danielle MacKinnon - GM BluePlan; Nigel Ward; Adam Aldworth
Subject: RE: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

Hi David,

Wednesday, March 17 from 2 to 3 is good for us. We will send a MS Teams invite to everyone included on this email.

Thanks,

Matt

Matthew Fisher, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7203 | c: 416.459.5135
matthew.fisher@gmblueplan.ca | www.gmblueplan.ca



From: David Deluce <ddeluce@npca.ca>
Sent: Friday, March 12, 2021 10:04 AM
To: Matthew Fisher - GM BluePlan <Matthew.Fisher@gmblueplan.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; Nigel Ward <nward@npca.ca>; Adam Aldworth <aaldworth@npca.ca>
Subject: RE: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

Hi Matthew,

Unfortunately, that doesn't work for us; our availability next week is:

Wednesday (Mar 17) between 1 pm and 3 pm
Friday (Mar 19) 2 pm to 4 pm

Let us know if either of these work.

David Deluce, MCIP, RPP
Senior Manager, Planning & Regulations
Niagara Peninsula Conservation Authority (NPCA)
250 Thorold Road West, 3rd Floor, Welland, ON, L3C 3W2
905-788-3135, ext. 224

ddeluce@npca.ca
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From: Matthew Fisher - GM BluePlan <Matthew.Fisher@gmblueplan.ca>

Sent: March 11, 2021 3:56 PM

To: David Deluce <ddeluce@npca.ca>

Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; Nigel Ward <nward@npca.ca>; Adam Aldworth <aaldworth@npca.ca>

Subject: RE: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

Thanks David.

Does Tuesday, March 16 at 1:30 pm work for you and your team? We thought we'd try that first – that works for the Region and us.

Thanks,

Matt

Matthew Fisher, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7203 | c: 416.459.5135
matthew.fisher@gmblueplan.ca | www.gmblueplan.ca



From: David Deluce <ddeluce@npca.ca>

Sent: Thursday, March 11, 2021 1:47 PM

To: Matthew Fisher - GM BluePlan <Matthew.Fisher@gmblueplan.ca>

Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Anema, Jade <Jade.Anema@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; Nigel Ward <nward@npca.ca>; Adam Aldworth <aaldworth@npca.ca>

Subject: RE: Thorold South Trunk Sewer Alternatives - South Niagara Falls Wastewater Solutions EA

Hi Matthew,

We reviewed the two alternatives proposed below and note that the NPCA highly encourages the Thorold South Alignment No. 2. This route is the least impactful to wetlands in the area and the only significant NPCA-regulated area to be crossed would be flood plain near Lundy's Lane. We do have concerns with the extent of site alteration involved with Alignment 1, particularly given the proposed open cut method of construction.

There would need to be a significant amount of environmental study of the wetland in question if Alignment 1 was selected. I recommend we have a meeting with our Ecology team and we can further discuss this. Please let us know what your availability is like in the next couple of days.

Regards,

David Deluce, MCIP, RPP

Senior Manager, Planning & Regulations

Niagara Peninsula Conservation Authority (NPCA)
250 Thorold Road West, 3rd Floor, Welland, ON, L3C 3W2
905-788-3135, ext. 224

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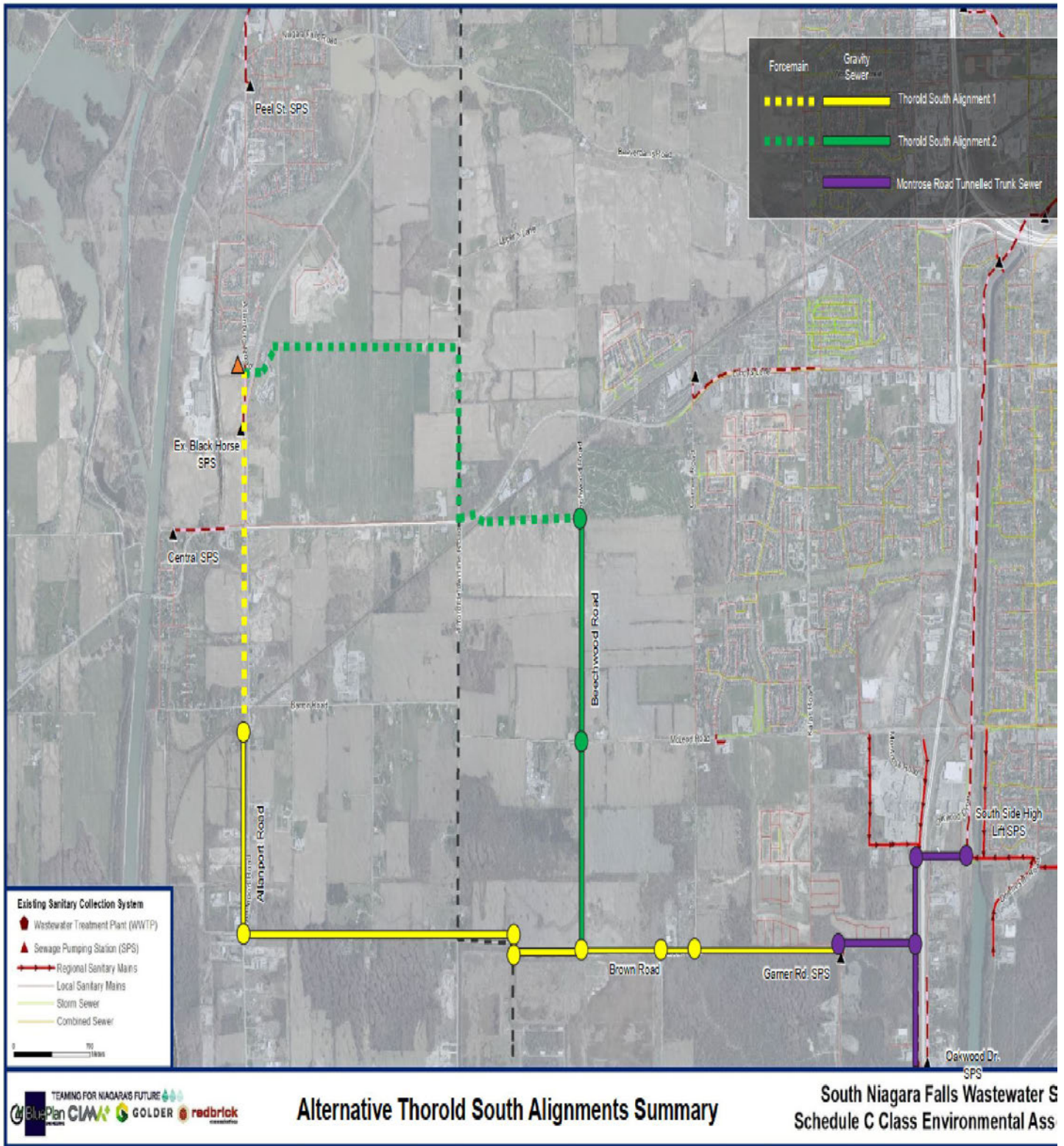
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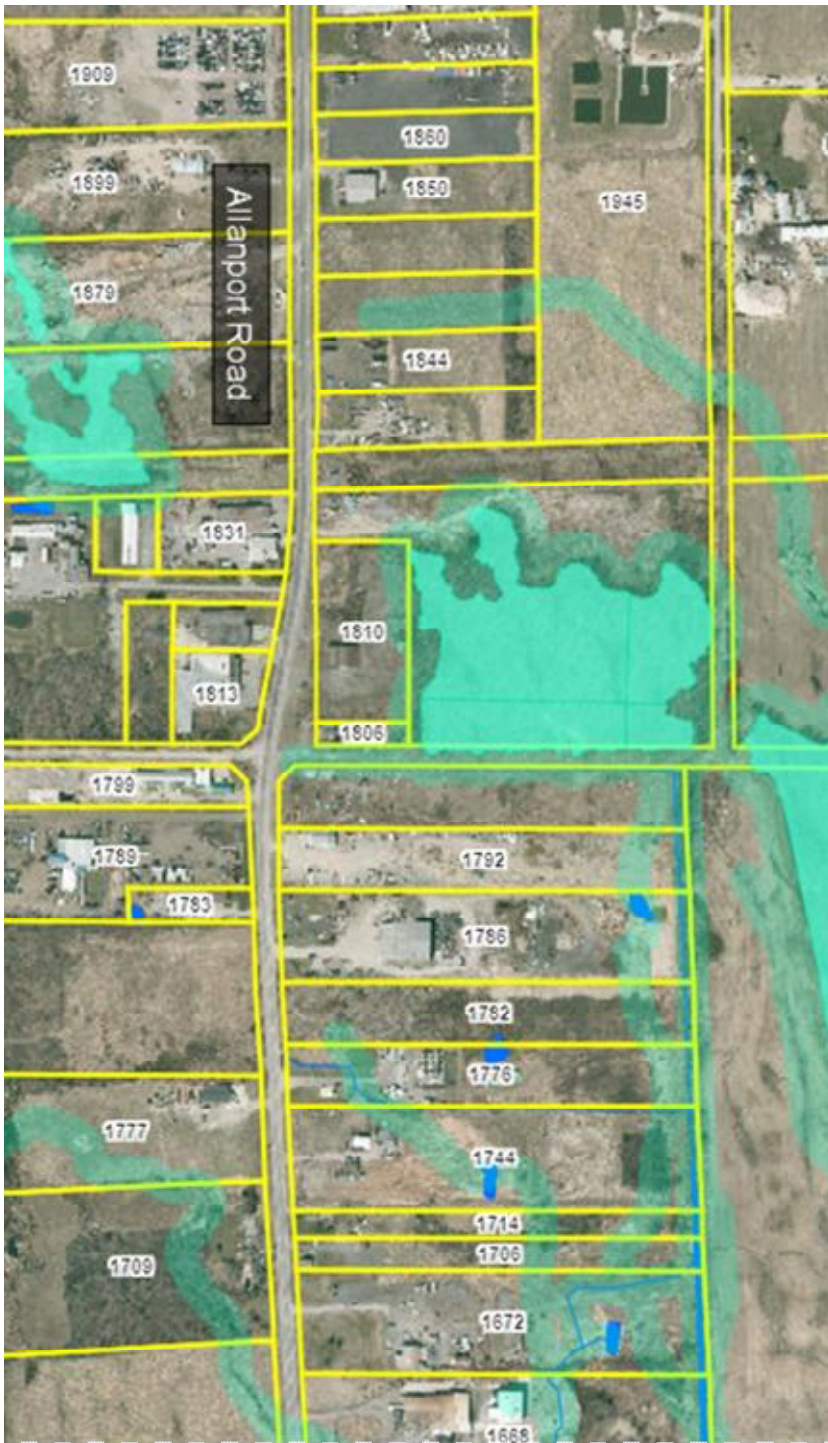
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Thanks,

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Meeting Agenda: Thorold South Sewer Alternatives – NPCA Feedback South Niagara Falls Wastewater Solutions Class Environmental Assessment

Date/Time: Wednesday, March 17, 2021 2:00 - 3:00 p.m.

Location: Microsoft Teams Meeting

Meeting Called by: SNF Wastewater Solutions Team

Meeting Objective: To review Thorold South sewer alternatives with NPCA to gather comments and feedback to help inform the Class EA evaluation process.

Participants

Chair: Matthew Fisher (GMBP)

Attendees: Matthew Fisher (GMBP), Danielle MacKinnon (GMBP), Lisa Vespi (RMON), Jade Anema (RMON), Adam Aldworth (NPCA), David Deluce (NPCA), Nigel Ward (NPCA)

Matters for Discussion	Lead
Agenda Outline	
1. Overview of the South Niagara Falls Wastewater Solutions Schedule C Class EA <ul style="list-style-type: none"> a) Wastewater Treatment Plant Site in South Niagara Falls b) Plant Outfall to a Receiving Waterbody c) Wastewater Servicing Collection Strategy 	GMBP
2. Thorold South Sewer Alternatives <ul style="list-style-type: none"> a) Identification of NPCA Regulated Wetlands b) Review of Short-List Sewer Alternatives and Construction Options c) Preliminary Evaluation Results 	
3. NPCA Review <ul style="list-style-type: none"> a) Initial Comments on Sewer Alternatives b) Further Considerations for Class EA Evaluation 	NPCA/GMBP
4. Next Steps	GMBP/RMON

Additional items to be communicated to Chair prior to meeting.

Meeting Minutes: Thorold South Sewer Alternatives – NPCA Discussions South Niagara Falls Wastewater Solutions Class Environmental Assessment

Meeting Date: 2021/03/17
Location/Time: GoTo Meeting 2:00 p.m. – 3:00 p.m.

Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2021/03/17

Attendance

Chair: Matthew Fisher (GMBP)
Attendees: Matthew Fisher (GMBP – Technical Lead), Danielle MacKinnon (GMBP – Technical & Class EA Support), Lisa Vespi (RMON – Project Manager), Jade Anema (RMON – Project Coordinator), Adam Aldworth (NPCA – Ecological Technician, Planning & Regulations), Nigel Ward (NPCA – Senior Planning Ecologist), David Deluce (NPCA – Senior Manager, Planning & Regulations)

Items Discussed for Information

1. Meeting Objective

- Today’s meeting will provide a brief overview of the South Niagara Falls WW Solutions Class EA with focus on the Thorold South sewer alternatives component. David Deluce & Adam Aldworth have participated in previous study meetings; Nigel Ward recently joined NPCA and will be invited to participate in future NPCA meetings ahead of reviewing the Environmental Study Report.

2. Class EA Overview

- The South Niagara Falls WW Solutions Study follows the Schedule ‘C’ Class Environmental Assessment process. Select study components do not require the Schedule ‘C’ process but is being completed holistically as a comprehensive strategy rather than reviewing individual components.
- This Class EA includes three key components: selecting a site/conceptual design for a new wastewater treatment plant in south Niagara Falls, selecting a waterbody/conceptual design for the plant outfall, and selecting the preferred sewer system collection strategy.
- The Project Team is currently working through Phase 3 of the Class EA process which includes the site layout for the selected wastewater treatment plant site (along Reixinger Road, City of Niagara Falls), outfall constructability (to Chippawa Creek), and alignment details for the preliminary preferred sewer network. An Environmental Study Report with all three project components will be circulated to NPCA (and other appropriate agencies) for review once confirmed. The date of submission is still to be determined.
- Adam Aldworth participated in a site visit with the Region & Golder in late 2020 to review NPCA regulated features near the preferred outfall location. Project Team notes that an impact and mitigation report will be included within the Environmental Study Report to cover this component.

3. Thorold South Servicing Alternatives

- There are three key sewer alternatives being evaluated: Option 1 (Yellow), Option 2A (Light Green), and Option 2B (Dark Green). Please see attached presentation for details.
- The overall sewer network is mainly within the existing road right-of-way. Today will review a Thorold South sewer alternative near Turner Road that requires crossing an NPCA regulated wetland

for gravity servicing and considerations for open-cut vs. tunneled sewer.

- NPCA notes that works within/crossing regulated areas will require a permit. This includes sewer crossing of the Welland River (i.e. below riverbed as well).

4. Thorold South Evaluation Considerations

- Project Team notes a big component of the evaluation process includes environmental considerations. This study’s weighted evaluation criteria includes: Environmental (25%), Social/Cultural (25%), Legal/Jurisdictional (10%), Technical (20%), and Financial (20%).
- NPCA notes that while policies allow for flexibility with public infrastructure through the Class EA process, the Project Team will need to demonstrate all options that avoid open-cut construction through a regulated area are not feasible.
- Selection of open-cut through the wetland near Turner Road would pose a significant hydrogeological risk. This would be difficult to replicate through restoration or reconfiguration. Region notes this will be considered in the financial and environmental evaluation.
- If alignment is selected within a wetland, NPCA highlights need to study wetland impacts and consider options of directional drilling or tunneling rather than open-cut. Open-cut would be considered a worst-case scenario. NPCA would work with proponent to determine next steps required.
- Alignment Options 2A/2B preferred from an environmental perspective as it avoids wetland disturbance.

5. Next Steps

- Project Team will undertake a holistic review of the sewer alternatives with environmental, social/cultural, legal/jurisdictional, technical, and financial considerations.
- GMBP to share baseline natural environmental constraints report which included a study-wide review of high-level environmental considerations.
- Project Team notes that Class EA identified impacts and mitigations will be included within the Environmental Study Report for key project components (wastewater treatment plant site, outfall constructability, and sewer alignment).
- Project Team will complete the detailed evaluation process for the sewer alternatives, meet with City of Niagara Falls and Thorold, and then reach out to NPCA to reconvene on decision ahead of presenting final recommendations.

Action Items	Action By
<ul style="list-style-type: none"> • GMBP to provide the SNFWWS baseline natural environmental constraints report which covered the entire study area, including Thorold South (see Figure 1 of report). • Project Team to reconvene with NPCA following selection of the preferred sewer alignment. • GMBP to include estimated sewer alignment depths when submitting for NPCA review. This will support commentary regarding impacts, considerations, and zones of influence for open-cut vs. tunneling. 	<p>DM</p> <p>GMBP/RMON</p> <p>GMBP</p>

[Click here to enter text.](#)

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

DRAFT FOR DISCUSSION

Thorold South Servicing Alternatives
Initial Review with NPCA

Wednesday, March 17, 2021

Microsoft Teams Meeting

MOVING
WATER
FORWARD

March 17, 2021
Slide 1



Workshop Agenda

1. Project Recap
 - a. Wastewater Servicing Collection Strategy
 - b. WWTP Preferred Site and Outfall
2. Thorold South Servicing Alternatives
 - a. NPCA Considerations and Requirements
 - i. Turner Road Unopened Road Allowance
 - ii. Others?
3. Other NPCA Considerations
4. Further NPCA Review, Response and Timing

Key Objective

1. Understand Environmental Impacts for Thorold South Servicing Alternatives and Construction Considerations / NPCA Requirements

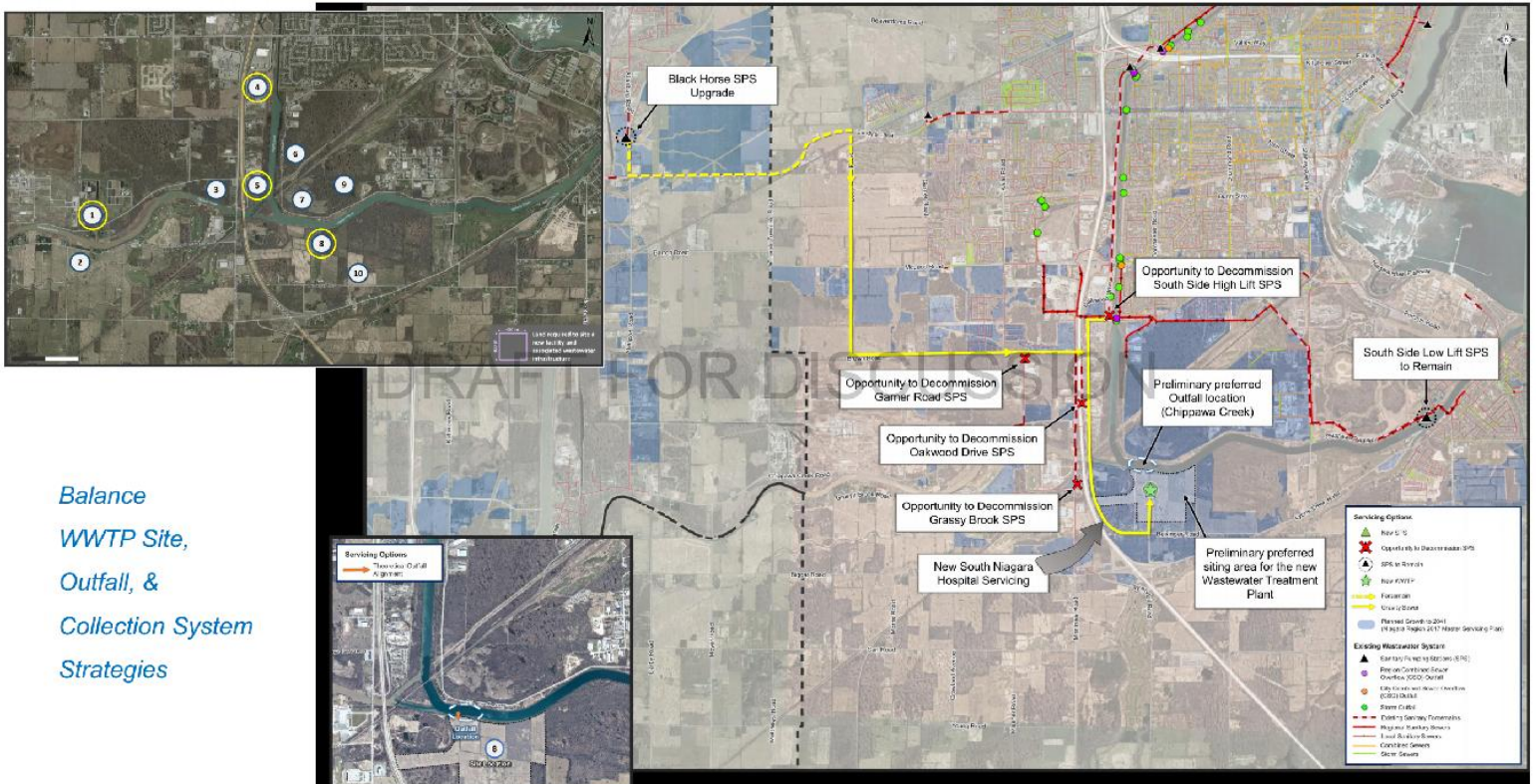
MOVING
WATER
FORWARD

March 17, 2021
Slide 2

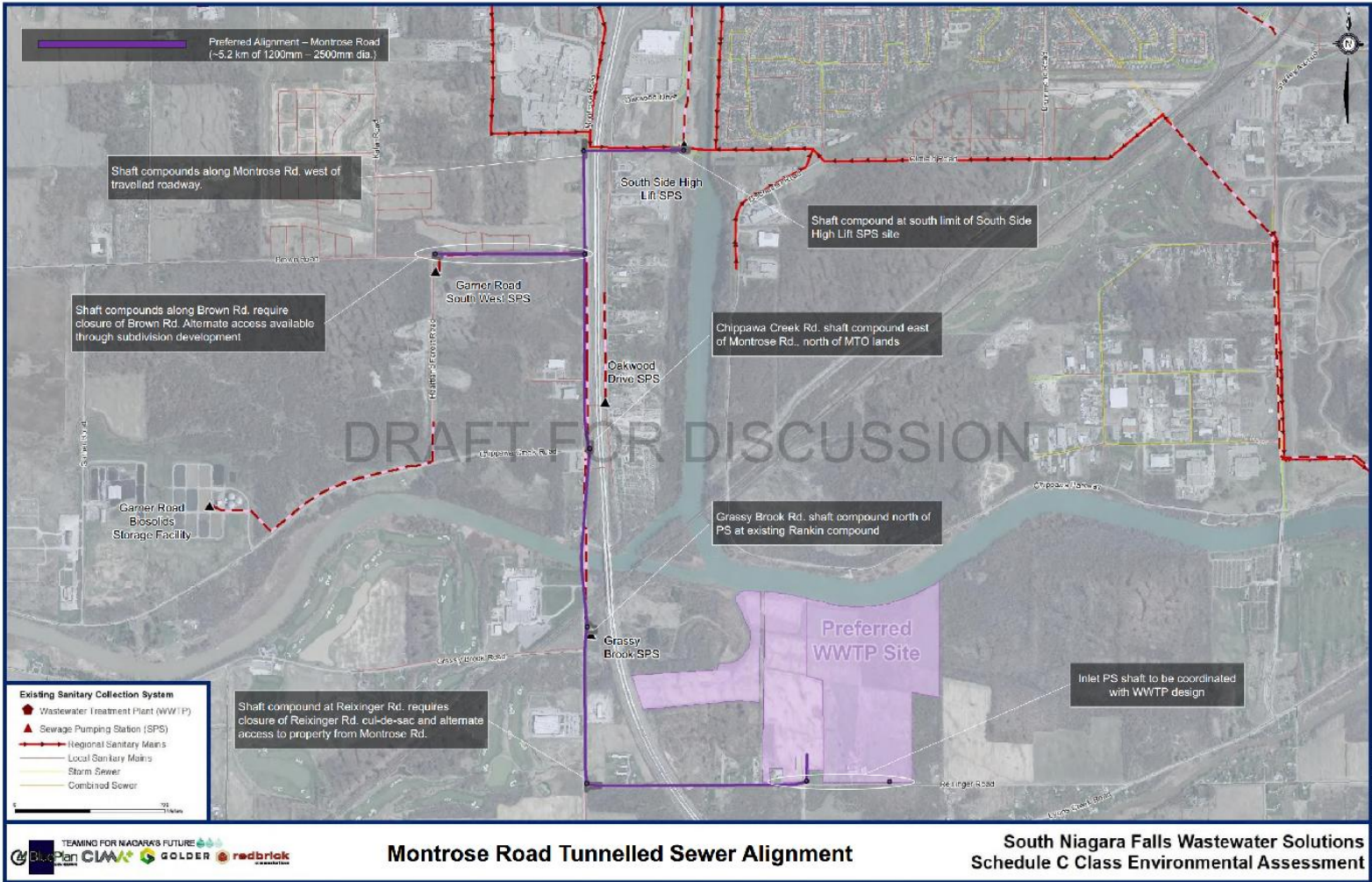


DRAFT FOR DISCUSSION Project Recap

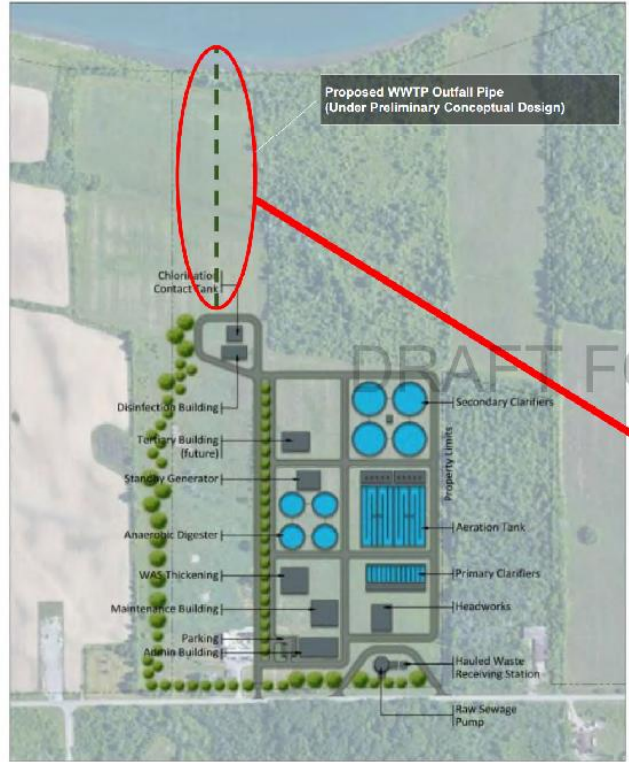
SNF WWS Strategy



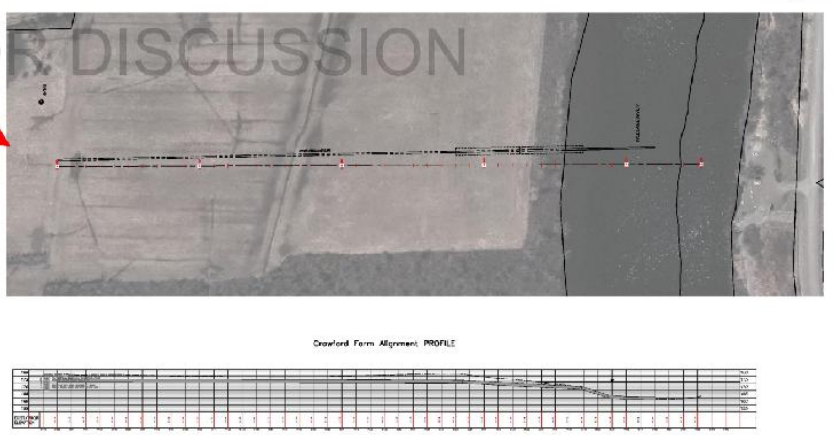
Balance
WWTP Site,
Outfall, &
Collection System
Strategies



WWTP Preliminary Conceptual Design

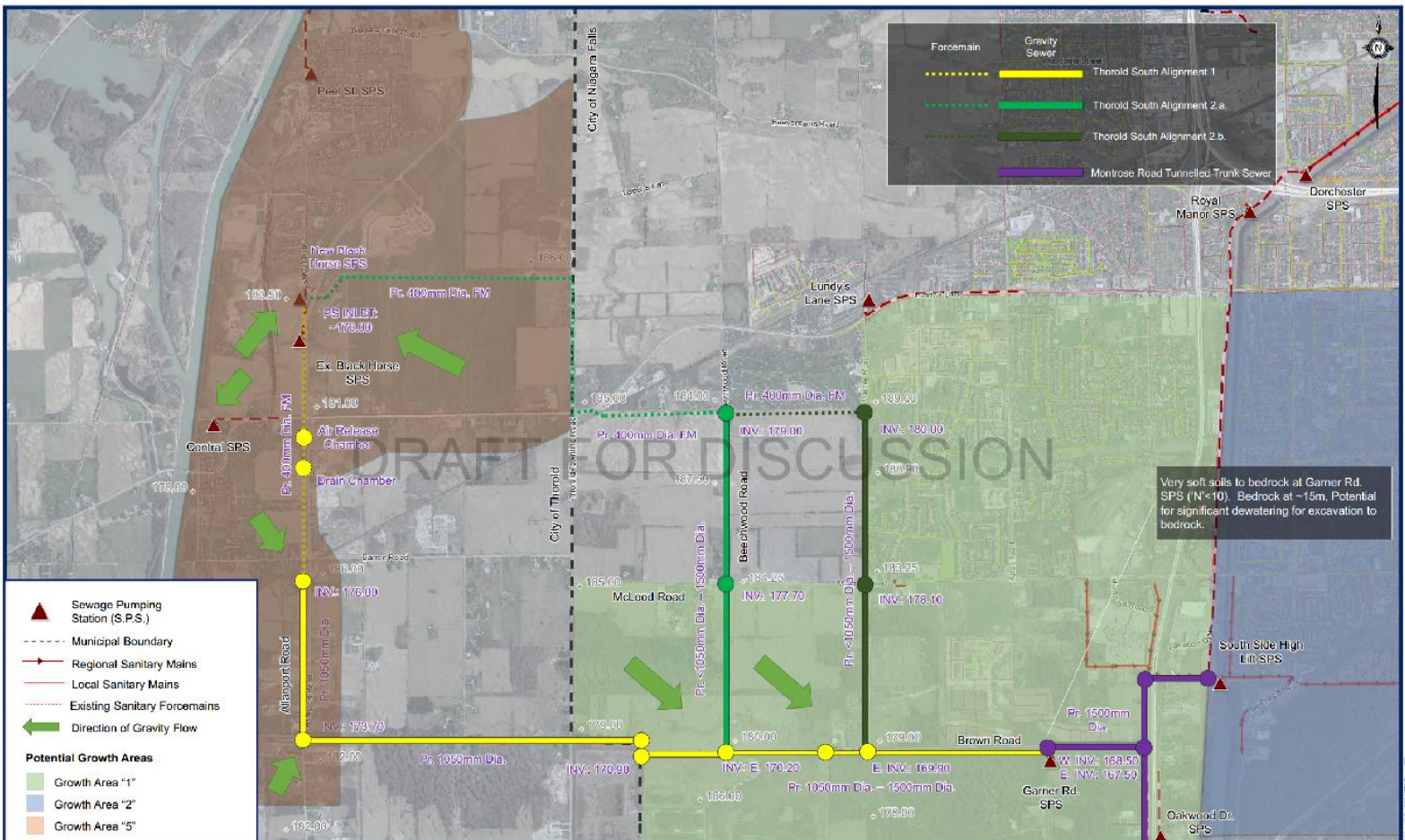


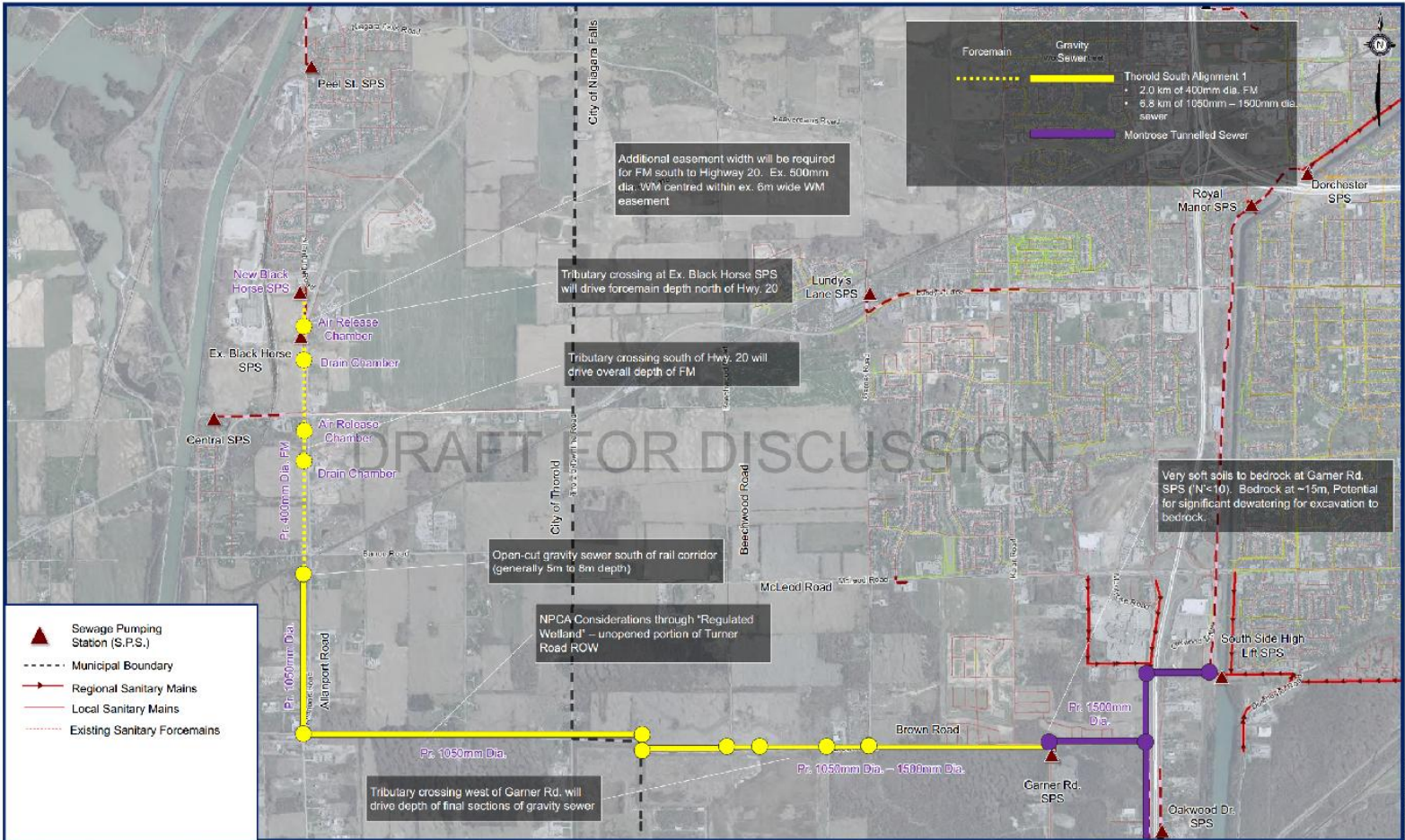
- Proposed outfall pipe through NPCA Regulated Wetland
- ESR for full project being completed and will be reviewed by Natural Environment Consultants ahead of submission to NPCA



Thorold South Servicing

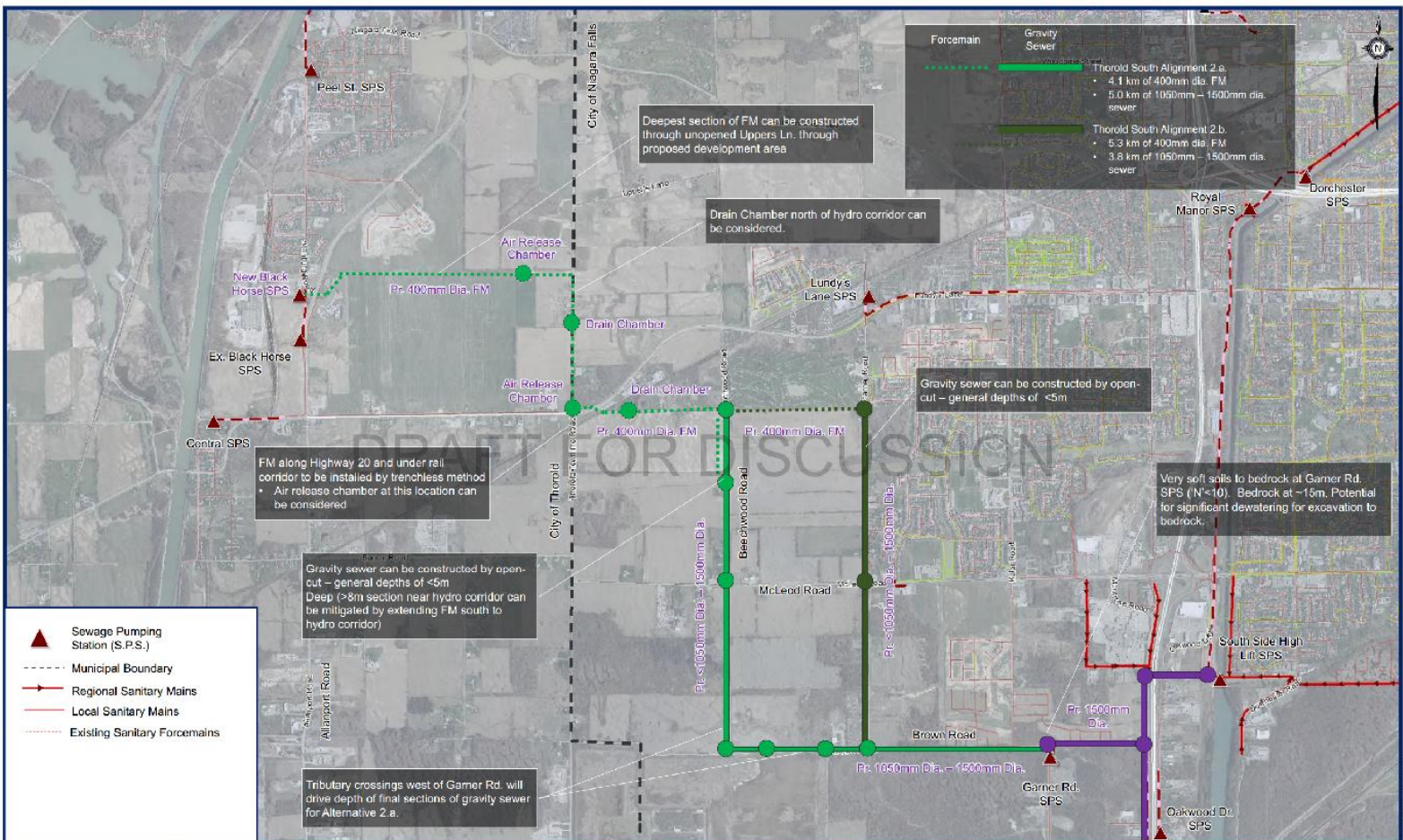
DRAFT FOR DISCUSSION





Thorold South Alternative Alignment

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment



Southwest Niagara Falls Alternative Alignments

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

- South Thorold Preliminary Preferred Alternative Review and Response
- Timing and Upcoming Engagement
- Other Business

DRAFT FOR DISCUSSION



NOTICE OF PUBLIC INFORMATION CENTRE #4 SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

MUNICIPAL SCHEDULE 'C' CLASS ENVIRONMENTAL ASSESSMENT

COME ENGAGE ON THE PREFERRED DESIGN CONCEPTS FOR THE PLANT AND SEWERS

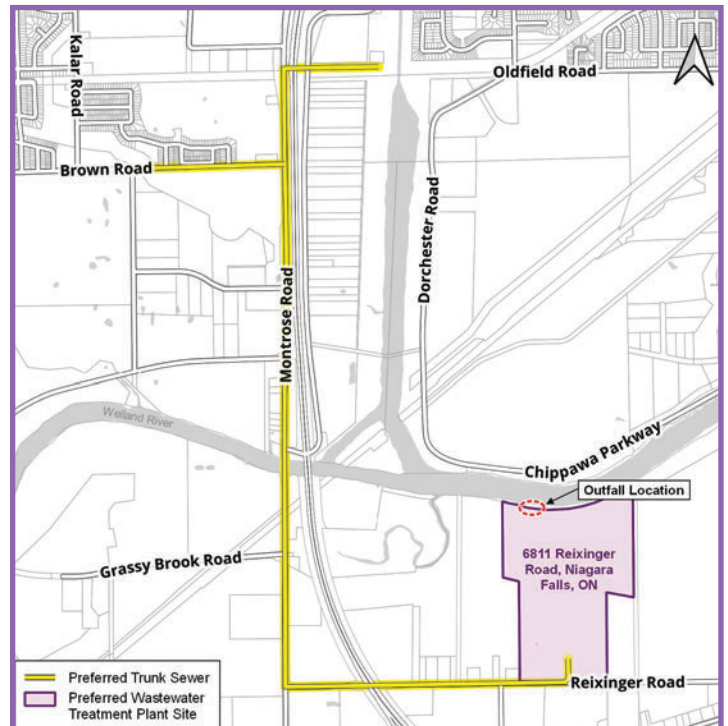
ABOUT THE STUDY

Niagara Region is planning ahead. We are working with the Cities of Niagara Falls and Thorold on an important study for a new wastewater treatment plant (WWTP) in South Niagara Falls. We are also studying how we can make the overall sewer system better.

PUBLIC CONSULTATION

Your input is important throughout the process. You are invited to a Public Information Centre to learn more about the study and the recommendations. The Region will be presenting the preferred design concepts for the new plant, trunk sewer, and Thorold servicing. This includes the proposed WWTP site (6811 Reixinger Road, Niagara Falls, ON), plant outfall discharge location (Welland River East), and associated sewer strategy (Montrose Road and Thorold South) and alignments.

The public will have the opportunity to listen to a presentation of the recommendations as well as ask questions and provide comments at the following time:



Wednesday, Feb. 9, 2022 | 6 – 7 p.m.

To attend the live virtual presentation, **please register on the project webpage**. You will receive a personalized access link. To register or view presentation materials use the link below or scan the QR code with your smartphone.

niagararegion.ca/projects/south-niagara-falls-treatment-plant

On the project webpage you may also submit feedback and/or join the study mailing list. Comments for Public Information Centre No. 4 will be accepted between Feb. 9 – 23, 2022. If you require hardcopies of review materials, please contact the undersigned.



CONTACT

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
3501 Schmon Parkway, PO Box 1042
Thorold, Ontario, L2V 4T7
905-980-6000 ext. 3640
New.Treatment.Plant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Consultant Project Manager
GM BluePlan Engineering Limited
3300 Highway 7, Suite 402
Vaughan, Ontario, L4K 4M3
416-703-0667
Chris.Hamel@gmblueplan.ca

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v4.8.6

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Ontario Power Generation

April 10, 2019

14000 Niagara River Parkway, R.R. #1
Niagara-on-the-Lake, Ontario L0S 1J0

**RE: Notice of Study Commencement
South Niagara Wastewater Solutions Schedule 'C' Class Environmental
Assessment**

Dear Mr. Kowalski:

Thank you for your participation and input in our recent stakeholder pre-consultation meeting for the South Niagara Wastewater Solutions Class Environmental Assessment (EA) study. We look forward to your valued involvement through each step of the Class EA study process.

Please find attached the Notice of Study Commencement. This Class EA will select a location for a new South Niagara wastewater treatment plant and plan improvements to upgrade the sewer system to support growth and protect the environment.

Siting the location for a new wastewater treatment plant in South Niagara Falls will mean balancing different priorities and making tough decisions for our community. There are many factors to consider and the purpose of the EA is to evaluate all of these factors in order to make an informed decision.

The Region will ensure that key stakeholders and the public have a voice at each step along the way to help the study select a site for the new plant and a plan for upgrades to the sewer system that works for the community.

As part of the study's consultation program, Ontario Power Generation is a key member of the External Steering Committee and we look forward to a continued partnership through this Class EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng.

Project Manager
Regional Municipality of Niagara
Phone: 905.980.6000 ext. 3640
Email: newtreatmentplant@niagararegion.ca

Mr. Chris Hamel, P.Eng.

Project Manager
GM BluePlan Engineering
Phone: 416.577.2500
Email: chris.hamel@gmblueplan.ca

Enclosed: Notice of Study Commencement

May 9, 2019

Ontario Power Generation
1400 Niagara River Parkway, R.R. #1
Niagara-on-the-Lake, Ontario L0S 1J0

Dear Mr. Kowalski:

**RE: Notice of Public Information Centre No.1 for South Niagara Falls
Wastewater Solutions Schedule 'C' Class Environmental Assessment**

Please find attached the Notice of Public Information Centre No.1, which was first published in local newspaper *Niagara This Week* on May 9, 2019.

Public Information Centre No.1 will be held:

Date / Time:	Tuesday May 28, 2019 – 5:00 to 8:00 p.m.
Location:	Boys & Girls Club of Niagara 8800 McLeod Road, Niagara Falls, ON, L2H 0Y8

Niagara Region is undertaking this Municipal Class Environmental Assessment (EA) in the South Niagara area which includes the addition of a new wastewater treatment plant and the pipework to connect to the existing system.

If you would like more information or would like to be removed from the study's contact list, please contact one of the Project Managers below. If we do not hear from you, your details will remain on the study contact list and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your involvement through this EA process.

Sincerely,

Ms. Lisa Vespi, P.Eng., PMP
Project Manager
Niagara Region
905.980.6000 ext. 3640
NewTreatmentPlant@niagararegion.ca

Mr. Chris Hamel, P.Eng.
Project Manager
GM BluePlan Engineering
416.577.2500
chris.hamel@gmblueplan.ca

Enclosed: Notice of Public Information Centre No.1

Danielle MacKinnon - GM BluePlan

From: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Sent: Wednesday, May 29, 2019 10:53 AM
To: Danielle MacKinnon - GM BluePlan
Cc: Vespi, Lisa; Moore, Michelle
Subject: RE: Thanks!

Thank you Danielle. It was great to see you, as well.
You and your team did a great job.

Regards,
Peter

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: Wednesday, May 29, 2019 8:39 AM
To: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Moore, Michelle <michelle.moore@niagararegion.ca>
Subject: RE: Thanks!

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hi Peter,

Nice seeing you again at the South Niagara Falls PIC.
Please find material presented last night available for download in the links below:

Display Boards: [05-28-19 1902 SNF WW Solutions - PIC No.1 Display Boards.pdf](#)
Informative Handout: [05-28-19 1858 SNF WW Solutions - Information Package.pdf](#)
FAQ Package: [05-28-19 1858 SNF WW Solutions - PIC No.1 FAQ Package.pdf](#)

If you have any issues with download please let me know.

Regards,

Danielle MacKinnon, B. Eng., E.I.T.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7214
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Sent: Wednesday, May 29, 2019 6:38 AM

To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Cc: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>; Moore, Michelle <michelle.moore@niagararegion.ca>
Subject: Re: Thanks!

Hi Lisa,

I was nice to see you and your team in action. I look forward to receipt of the PIC package. Thanks.

Talk soon,

Peter

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Tuesday, May 28, 2019 9:41:03 PM
To: KOWALSKI Peter -HTO
Cc: Danielle MacKinnon; Moore, Michelle
Subject: Thanks!

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Thanks for popping by tonight Peter! Great to have you.

Danielle, can you please send Peter the PIC package, including the Boards, brochure and FAQs.

Thanks!
Lisa

Sent from my Samsung Galaxy smartphone.

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intended recipient and have received this message in error, please notify me by return e-mail and delete this message from your system. Ontario Power Generation Inc.

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Danielle MacKinnon - GM BluePlan

From: BRADLEY Alison -EASTERNOPS <alison.bradley@opg.com>
Sent: Friday, September 20, 2019 11:04 AM
To: Moore, Michelle; KEELER Kent -ENG&TECHSERV; PATTERSON Cassandra -OPERATIONS; JONES Kevin -OPERATIONS; CROUCH Meredith -ENV H&S; KOWALSKI Peter -HTO; Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: FW: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River

Hi Everyone

I can't make this meeting. Please proceed without me.

Regards
Alison

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From: Moore, Michelle
Sent: Tuesday, September 17, 2019 5:56:44 PM
To: Moore, Michelle <michelle.moore@niagararegion.ca>; BRADLEY Alison -EASTERNOPS <alison.bradley@opg.com>; KEELER Kent -ENG&TECHSERV <kent.keeler@opg.com>; PATTERSON Cassandra -OPERATIONS <cassandra.patterson@opg.com>; JONES Kevin -OPERATIONS <ke.jones@opg.com>; CROUCH Meredith -ENV H&S <meredith.crouch@opg.com>; KOWALSKI Peter -HTO <peter.kowalski@opg.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: FW: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River
When: September 20, 2019 11:00 AM-12:00 PM.
Where: Conference Call

*** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

-----Original Appointment-----

From: Moore, Michelle <michelle.moore@niagararegion.ca>
Sent: Tuesday, September 17, 2019 4:58 PM
To: Moore, Michelle; KOWALSKI Peter -HTO; Vespi, Lisa; Danielle MacKinnon - GM BluePlan
Subject: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River
When: Friday, September 20, 2019 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: Conference Call

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Hello All,

Please see below for conference call information.

Toll-Free Dial-In: 1-866-234-0247

Conference ID: 5552841

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Danielle MacKinnon - GM BluePlan

From: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Sent: Friday, September 20, 2019 1:04 PM
To: BRADLEY Alison -EASTERNOPS; KEELER Kent -ENG&TECHSERV; PATTERSON Cassandra -OPERATIONS; JONES Kevin -OPERATIONS; CROUCH Meredith -ENV H&S; Danielle MacKinnon - GM BluePlan; Lisa Vespi (lisa.vespi@niagararegion.ca); Moore, Michelle; Gerard Van Arkel (gvanmarkel@golder.com); CROUCH Meredith -ENV H&S
Subject: RE: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River

Hello All,

Please find my notes/actions associated with the meeting this morning:

Present: Lisa Vespi, Michelle Moore, Danielle MacKinnon, Gerard Van Arkel, Kevin Jones, Peter Kowalski
Regrets: Alison Bradley, Kent Keeler, Cassandra Patterson, Meredith Crouch, Tony Palma

Notes & Actions

1. The meeting was called to discuss the request from Niagara Region and their requirements for the report "Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River, EA Conditions of Approval 7.4 and 7.5, Prepared for Ontario Power Generation, Hatch Mott MacDonald-Acres International, November 2005, Revision 2"
2. Peter Kowalski identified the report requested by Niagara Region was related to the Niagara Tunnel Project and after some searching South Central Operations was able to locate the report. From the report contents it is apparent that Niagara Region may have been an original recipient, as identified in the report Introduction. This was confirmed pre-meeting by OPG Law. However, The Niagara Region but has be unable to locate the report in their files and they has subsequently request a copy.
3. Gerard Van Arkel (Golder) identified that the report is required to review modeling for mixing zone studies associated with new SN WWTP outfall design, depending upon the location determined.
4. Gerard Van Arkel (Golder) recognized there were slope issues with the Welland River, as identified by the report and was concerned that adequate mixing would take place with very low flows in the Canal.
5. Peter Kowalski identified that ideally, the mixing design should be modeling under all conditions for the Canal. This would include the scenario for the SAB Canal being out-of-service and the situation where Welland River flows east toward the Niagara River were occurring. Once the existing NF WTP Intake is relocated to the Niagara river, the major constraint for significantly reduced diversions in the SAB Canal (high turbidity and inability to adequately treat water) is no longer present.
6. The SAB Canal Project commissioned a modeling report by HATCH in 2019 to investigate conditions in the Welland River with the SAB Canal out-of-service. Under this condition, along with that modeled during the Niagara Tunnel Project EA, a vast range of conditions would have been considered.
7. Peter Kowalski will follow up with SCO and the SAB Canal Project to determine if both reports may be released to the Niagara Region with in the next 7-10 days.

Post-meeting note: a meeting with SCO to provide overview of the projects and reports has been scheduled for Oct 8, 2019

Peter

From: BRADLEY Alison -EASTERNOPS <alison.bradley@opg.com>

Sent: Friday, September 20, 2019 11:04 AM

To: Moore, Michelle <michelle.moore@niagararegion.ca>; KEELER Kent -ENG&TECHSERV <kent.keeler@opg.com>; PATTERSON Cassandra -OPERATIONS <cassandra.patterson@opg.com>; JONES Kevin -OPERATIONS <ke.jones@opg.com>; CROUCH Meredith -ENV H&S <meredith.crouch@opg.com>; KOWALSKI Peter -HTO <peter.kowalski@opg.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>

Subject: FW: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River

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Regards

Alison

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Sent: Tuesday, September 17, 2019 5:56:44 PM

To: Moore, Michelle <michelle.moore@niagararegion.ca>; BRADLEY Alison -EASTERNOPS <alison.bradley@opg.com>; KEELER Kent -ENG&TECHSERV <kent.keeler@opg.com>; PATTERSON Cassandra -OPERATIONS <cassandra.patterson@opg.com>; JONES Kevin -OPERATIONS <ke.jones@opg.com>; CROUCH Meredith -ENV H&S <meredith.crouch@opg.com>; KOWALSKI Peter -HTO <peter.kowalski@opg.com>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>

Subject: FW: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River

When: September 20, 2019 11:00 AM-12:00 PM.

Where: Conference Call

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Sent: Tuesday, September 17, 2019 4:58 PM

To: Moore, Michelle; KOWALSKI Peter -HTO; Vespi, Lisa; Danielle MacKinnon - GM BluePlan

Subject: Discuss use of the requested report Niagara Tunnel Project, Effects of Water Levels and Fluctuations on the Welland River

When: Friday, September 20, 2019 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

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Conference ID: 5552841

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Danielle MacKinnon - GM BluePlan

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Thursday, September 24, 2020 11:47 AM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions
Attachments: 3965 South Niagara Falls Wastewater Solutions Mailout PIC2.pdf;
doc20191115123633.pdf

Danielle,

See below for contacts for NFS WWTP

Jade

From: New Treatment Plant
Sent: Friday, November 15, 2019 1:02 PM
To: KOWALSKI Peter -HTO <peter.kowalski@opg.com>; joann.kinnear@opg.com; KEELER Kent -OPERATIONS (kent.keeler@opg.com) <kent.keeler@opg.com>
Subject: Notice of Public Information Centre 2 - South Niagara Falls Wastewater Solutions

Hello All,

Please find attached the Notice of Public Information Centre No. 2 as well as a notification letter for the South Niagara Falls Wastewater Solutions. This study is being completed by the Regional Municipality of Niagara as a Municipal Schedule 'C' Class Environmental Assessment.

Public Information Centre No. 2 will be held:

Date/Time: Wednesday, November 20, 2019 from 5 – 7 p.m.

Location: MacBain Community Centre, Coronation Room, 7150 Montrose Road, Niagara Falls, ON L2H 3N3

As part of the study's consultation program, you are currently included in the study contact list. If you wish to be removed, and/or would like to suggest an alternate representative, or have any comments please contact Lisa Vespi (new.treatment.plant@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Sincerely,

South Niagara Falls Wastewater Solutions Project Team

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November 15, 2019

OPG

Attention Manager – Property Tax

7th Floor H7F4

700 University Avenue

Toronto, ON M5G 1X6

Dear Manager – Property Tax:

**South Niagara Falls Wastewater Solutions
Schedule 'C' Class Environmental Assessment
Public Information Centre No. 2
City of Niagara Falls
Our File: O.01.04 99 20000724**

Niagara Region is working with the cities of Niagara Falls and Thorold on an important study for a new Wastewater Treatment Plant in south Niagara Falls to improve the sewer system in the area. The study will be completed as a Schedule C Municipal Environmental Assessment.

Please find the study's attached Notice of Public Information Centre (PIC) No. 2. At this PIC you will be able to speak with members of the Project Team, review the long list of potential WWTP sites, and provide input into the evaluation process and criteria.

Public Information Centre No. 2 is an open house format and will be held:

Date and Time: Wednesday, November 20, 2019 – 5 to 7 p.m.
Location: MacBain Community Centre – Coronation Room
7150 Montrose Road
Niagara Falls, ON, L2H 3N3

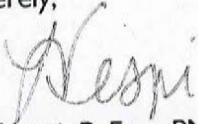
You have received this letter as your property, located at Reixinger Road, Niagara Falls (PIN No. 644440033), 7606 Oakwood Drive, Niagara Falls, Oakwood Drive (PIN No. 642570255), Niagara Falls, has been identified as a potential site for the new WWTP. Please note that this property will be shown in the long list of potential sites at the upcoming PIC.

If you are unable to attend in person, we encourage you to view our live feed on the Region's Facebook page (www.facebook.com/niagararegion) on Wednesday, November 20, 2019 from 3:00 to 4:00 p.m.

For more information, please do not hesitate to contact Lisa Vespi, the Region's Project Manager, listed below. If we do not hear from you, your details will remain on the study contact list, and you will be notified of all future consultation opportunities during the undertaking of this study.

We look forward to your continued involvement through this EA process.

Sincerely,



Lisa Vespi, P. Eng., PMP®
Senior Project Manager, Water and Wastewater Engineering
Water and Wastewater Services
lisa.vespi@niagararegion.ca

LV/at
(#L:\ENVIRONMENTAL CENTRE\ENGINEERING\O.01 - CAPITAL PROJECTS\04 20000724 - South Niagara Falls
WWTP\Project Management\Correspondence\Letters\2019\2019_11_15_Add'l-Property-Owners-SNFWWTP-PIC2.Ltr.docx)

cc: Frank Fucile, Real Estate Officer, Niagara Region
Joe Tonellato, P.Eng., Director Water & Wastewater Services, Niagara Region

Attach.

Meeting Agenda: Technical Discussions – Assimilative Capacity Study and Effluent Criteria South Niagara Falls Wastewater Solutions Class Environmental Assessment

Date/Time: Thursday, December 5, 2019 1:00 – 3:00 p.m.
Location: MacBain Community Centre – 7150 Montrose Road, Niagara Falls ON

Meeting Called by: SNF Wastewater Solutions Class EA Team

Objectives:

1. Provide update on Class EA study progress
2. Provide overview of the Assimilative Capacity Study approach and results
3. Discuss ACS results, recommendations and proposed effluent objectives and limits
4. Provide overview of Next Steps including selection of the preferred solution, additional Assimilative Capacity Study tasks, and future meetings
5. Confirm support from the stakeholders on the study findings to date

Participants

Chair: Chris Hamel (GM BluePlan)

Attendees: Chris Hamel (GMBP), Chris Campbell (GMBP), Danielle MacKinnon (GMBP), Lisa Vespi (RMON), Michelle Moore (RMON), Tony Cimino (RMON), Joseph Tonellato (RMON), Doug Johnson (RMON), Erik Nickel (CNF), Robert Fleeton (Region Advisor), Troy Briggs (CIMA), Gerard Van Arkel (Golder), Neil Hutchinson (HES), Peter Kowalski (OPG), Joann Kinnear (OPG), Kent Keeler (OPG), Kevin Jones (OPG), Barbara Slattery (MECP), Sylvain Campbell (MECP), Michael Spencer (MECP), Jennifer Harvard (MECP), Thomas Proks (NPCA)

Matters for Discussion & Timeframes	Lead
Agenda Outline	
1. Class EA Study Update <ol style="list-style-type: none"> a) WWTP site, Collection System, Outfall Evaluation b) Public Consultation, PIC #2 	GMBP
2. Assimilative Capacity Study (ACS) <ol style="list-style-type: none"> c) Background and Approach d) Modelling Results 	CIMA/Golder/HES
3. ACS Recommendations <ol style="list-style-type: none"> a) Review of Outfall Locations b) Water Quality c) Proposed Effluent Objectives and Limits 	CIMA/Golder/HES
4. Class EA Study Next Steps <ol style="list-style-type: none"> e) Evaluation, Selection of Preferred Solution, PIC#3 f) Assimilative Capacity Study g) Coordination and Review Meetings 	GMBP

Additional items to be communicated to Chair prior to meeting.

Meeting Minutes: South Niagara Falls Wastewater Solutions Class Environmental Assessment Technical Discussion - Assimilative Capacity Study and Effluent Criteria

Meeting Date/Time: 2019/12/05
Location: MacBain Community Centre – 7150 Montrose Road, Niagara Falls, ON L2H 3N3
Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2019/12/06

Attendance

Chair: Chris Hamel (GM BluePlan)
Attendees: Chris Hamel (GM BluePlan), Danielle MacKinnon (GM BluePlan), Lisa Vespi (RMON), Michelle Moore (RMON), Tony Cimino (RMON), Joseph Tonellato (RMON), Doug Johnson (RMON), Jason Oatley (RMON), Dawn MacArthur (RMON), Erik Nickel (CNF), Robert Fleeton (Region Advisor), Troy Briggs (CIMA), Gerard van Arkel (Golder), Neil Hutchinson (HES), Tony Palma (OPG), Joann Kinnear (OPG), Barbara Slattery (MECP), Sylvain Campbell (MECP), Michael Spencer (MECP), Thomas Proks (NPCA), Joshua Diamond (NPCA)
Regrets: Peter Kowalski (OPG), Jennifer Harvard (MNRF)

Items Discussed For Information

1. GMBP provided a SNF Class EA Project Update:
 - SNF Team is currently working through the long-list evaluation. This method isn't simply about selecting a site, as each site presents multiple servicing strategies. The team is working through three study components: identifying favourable siting/treatment options, investigating four outfall locations (Welland River, Hydro Electric Power Canal, Chippawa Creek, and Niagara River) and working through several alternatives for the collection system. GMBP walked through a sample servicing strategy to illustrate siting complexity.
 - The three study components will be evaluated under 5 weighted categories: Environmental (25%), Social-Cultural (25%), Legal-Jurisdictional (10%), Technical (20%), and Financial (20%).
 - An additional Public Information Centre (PIC), was held on November 20, 2019. This event, PIC 2, walked the public through the complex evaluation process. At this event, attendees commented on the long-list of Wastewater Treatment Plant (WWTP) sites and preliminary evaluation criteria.
2. MECP recommends the planned hospital for South Niagara Falls and truck traffic be considered during the evaluation process. GMBP acknowledges that both items will be evaluated and that although timing appears to be in line with the hospital development, if needed, an interim solution will be presented to avoid delays in operations.
3. The current Assimilative Capacity Study (ACS) Screening Report was an exercise to understand water quality from a treatment perspective.
4. Feedback received during ACS screening will be included in the detailed ACS report, to be submitted for the preferred site and outfall location. This report will include the complete modelled approach and will be presented to Agencies prior to PIC 4 (anticipated for Summer 2020).
5. CIMA notes that the new WWTP appears to have minimal impact on DO, BOD5, TSS, and Nitrate parameters. Phosphorus, E.Coli, and Ammonia currently present the greatest challenges, especially with

the Welland River outfall location. If Welland River is selected as the preferred outfall, it will likely fall under Policy 2, meaning that it does not meet PWQO.

6. Golder presented findings from the ACS Screening Report. It's noted that Phosphorus levels became elevated during winter months and E.coli levels became elevated during high-flow conditions, both of which are uncommon results. Golder suspects this timing may reflect when algae is lying dormant.
7. Hutchinson Environmental completed a review of the ACS screening report.

The following comments were discussed:

- ACS Screening Report appears to have good layout of system alternatives.
 - Agreeance with modelling 7Q20 (uses worst case scenario) and Monte Carlo approach to look for probability of exceeding PWQO.
 - Both methods conclude that the new WWTP impact will be minimal.
 - Notes that ammonia levels, effluent objectives, and effluent limits will need to be clearly documented in the detailed ACS report.
 - Agreeance that sites should be selected on basis they can expand to 60 MLD for future servicing.
8. GMBP presented the current schedule, including objectives of upcoming PICs:
 - PIC 3 – February 2020 (anticipated date). To present preferred WWTP site, favorable outfall location and servicing strategy.
 - PIC 4 – Summer 2020. To present preferred treatment options and conceptual design.
 - Project Filing – Late 2020 (anticipated date).
 9. OPG would like potential for interference with maintenance and operations to be addressed in detailed reporting. This should consider OPG emergency shutdowns and long-term maintenance needs (1 in 50-year conditions). GMBP notes that the outfall would be south of any OPG owned gate to avoid interference with operations.
 10. MECP notes that OPG shutdowns could create river oscillations. Since this results in different dispersion, this study should comment on impact to recreational uses.
 11. NPCA notes that there are no immediate project concerns. Due to the potential locations of the WWTP, there are no expected impacts to Source Water Protection.

Action Items	Action By Date Required
12. MECP is currently reviewing the Region's Water Intake Study and then will be looking at discharges. Comments will need to align across related studies.	MECP/RMON
13. GMBP to provide MECP with project approach. MECP to confirm approach and expected timing for review.	GMBP/MECP
14. GMBP to send MECP presentable content prior to PIC 3 (February 2020). MECP to confirm if material is appropriate for public review.	GMBP/MECP
15. GMBP to send MECP final ACS report for review prior to PIC 4 (Summer 2020). MECP to comment on approach prior to public review.	GMBP/MECP
16. RMON and OPG to coordinate meeting to discuss Hydro Electric Power Canal considerations. Scheduled for January 30, 2020.	RMON/OPG - Complete
17. NPCA to send updated pH and temperate information to SNF Team.	NPCA - Complete

Items in Agreement

18. While this project should design to monthly effluent objectives for buffer, MECP notes that monthly effluent limits will be used for compliance points. MECP will review limits against Policy 1 and Policy 2.
 19. Looking for general water quality feedback on the ACS Screening Report. The final ACS report will include 30 MLD details based on the preferred site and outfall location. Commentary will include management of interference with OPG operations and maintenance. This detailed modelling report will be sent to agencies for review and comment prior to (expected in Summer 2020).
-

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Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

Agency/Stakeholder Meeting No. 2 Assimilative Capacity Study and Effluent Criteria

Thursday, December 5, 2019

1:00 to 3:00 p.m.

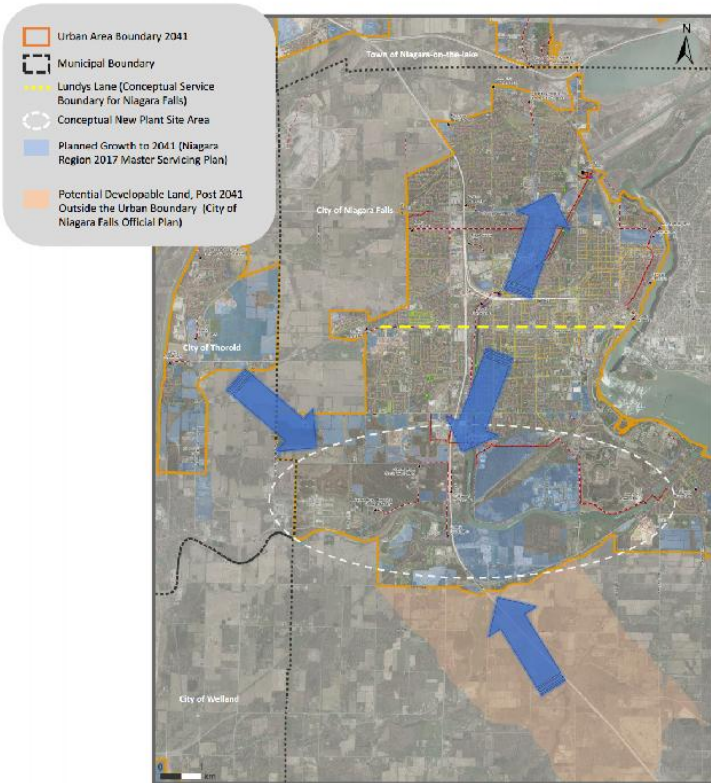
MacBain Community Centre – Boardroom



Today's Objectives

- Provide update on Class EA study progress
- Provide overview of the Assimilative Capacity Study approach and results
- Discuss ACS results, recommendations and proposed effluent objectives and limits
- Provide overview of Next Steps including selection of the preferred solution, additional Assimilative Capacity Study tasks, and future meetings
- Confirm support from the stakeholders on the study findings to date





	Today	2041
Total City of Niagara Falls People and Jobs	130,837	185,310
People and Jobs to new Wastewater Treatment Plant	53,467	85,292
Approximate Average Daily Flow Projections	11 MLD	21 MLD *

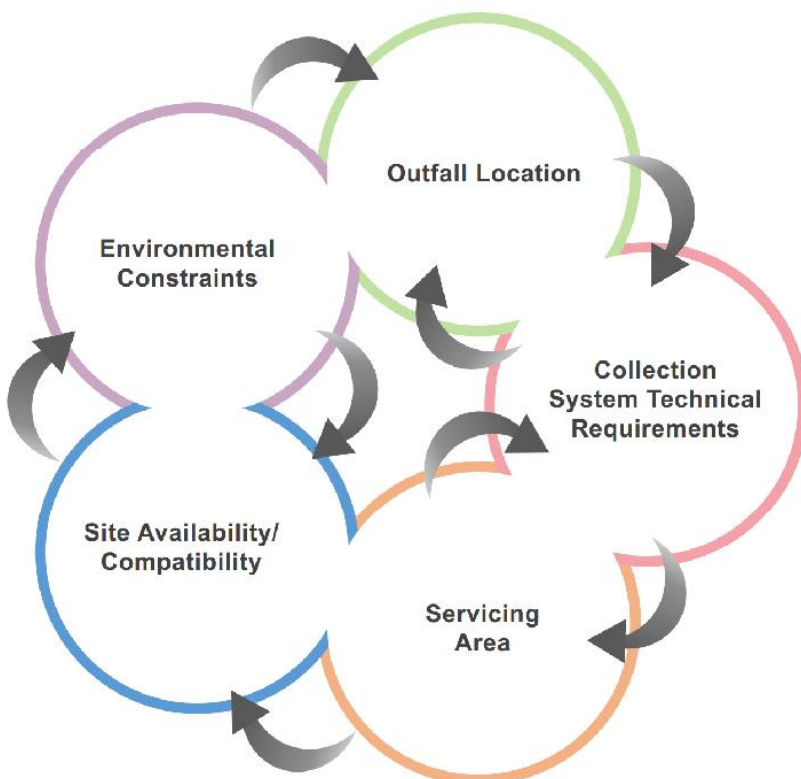
Planned Wastewater Treatment Plant Capacity	30 MLD **
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* Initial planned capacity will address growth needs beyond 20 years as well as firm capacity for all treatment processes

** Wastewater Treatment Plant site planning will consider future expansion to 60 MLD for post 2041 growth



Preferred Solution Drivers



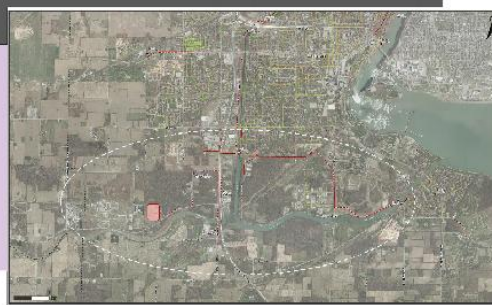
Preferred Solution

- Supports servicing planned and future growth
- Minimizes sewage pumping stations
- Reduces combined sewer overflows
- Maximizes flexibility for the future
- Optimizes cost phasing/management



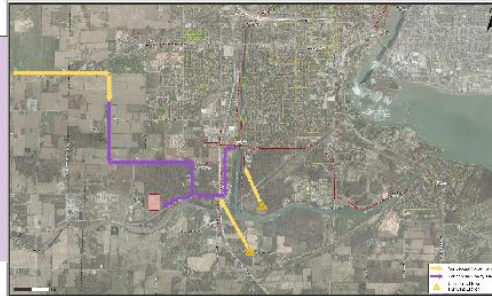
1. Plant Site

- The site must have suitable land size for a new plant
 - For size reference, the **example site**, shown in red, represents the approximate amount of land required
- Existing and surrounding land use is an important factor for a new plant site
- Ability to mitigate noise, visual impact, odour, traffic and construction are key considerations



2. Collection System

- Each site will have unique collection system requirements
 - For reference, the example collection system presented is unique to the **example site**
- Different collection systems may have longer or deeper sewers and more environmental crossings
- The collection strategy should consider flexibility for future growth areas and intensification



3. Outfall Location

- The site must be close to a nearby river or lake where the clean, treated water can be released
- The 4 outfall locations being considered are:
 - Welland River East
 - Hydro Electric Power Canal
 - Chippawa Creek
 - Niagara River



South Niagara Falls Wastewater Solutions Municipal Schedule 'C' Class Environmental Assessment



Water Quality

Conceptual Outfall Locations

1. Welland River East

- Requires enhanced treatment
- Typical low flow conditions
- Existing quality not favourable

2. Hydro Electric Power Canal

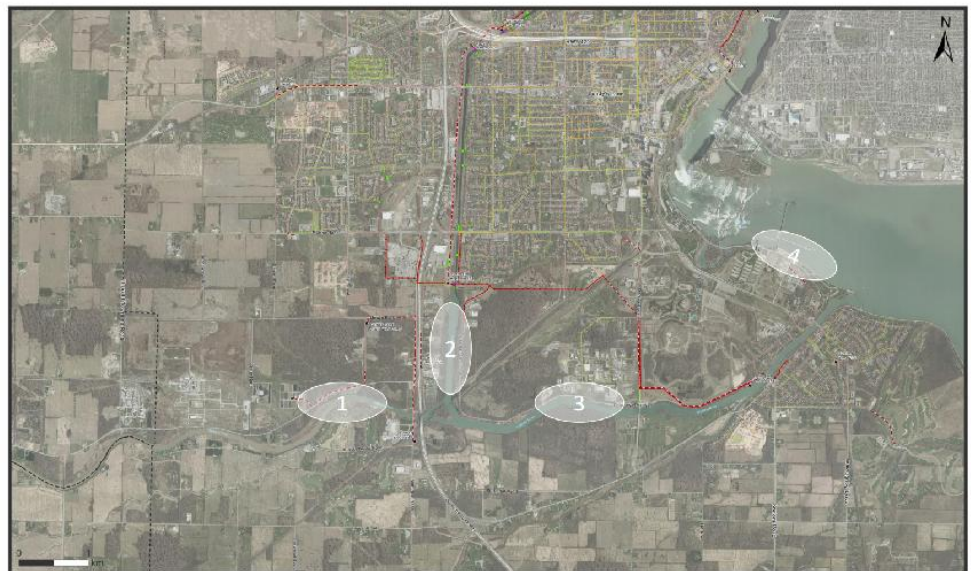
- Controlled flows and existing quality are favourable
- Plant represents only 0.1% of Hydro Canal Flow

3. Chippawa Creek

- Existing flow and quality are favourable
- Plant represents only 0.1% of Chippawa Creek Flow

4. Niagara River

- Typical high flow conditions
- Increased coordination with U.S.
- Plant represents only 0.02% of Niagara River Flow

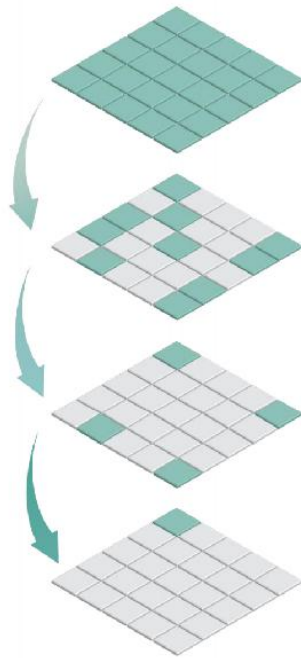


Note: The exact location of the new outfall will be determined at a later date

South Niagara Falls Wastewater Solutions Municipal Schedule 'C' Class Environmental Assessment



The preferred site and associated strategies will be determined through the following evaluation process.



Study Area

- Complete a general review of the study area
- Review sites of proper size that are close to receiving waterbodies, existing and future service areas, and have limited environmental features

Long List of Alternatives

- Determine long list of reasonable sites (Present at Public Information Centre No. 2)
- Determine most suitable collection system alternative(s) for each site relating to project objectives
- Determine most suitable outfall location(s) for each site based on proximity to waterbody
- Complete desktop review of environmental features, opportunities and constraints
- Complete technical and costing analysis, including system modelling, opportunities and constraints
- Evaluate long list of alternatives using criteria and weightings

Short List of Alternatives

- Select short list of alternatives including combination of 3 to 5 alternative sites and associated collection systems and outfall locations
- Evaluate short list using criteria and weightings
- Complete detailed review of environmental features, opportunities and constraints
- Complete detailed technical and costing analysis including system modeling, opportunities and constraints

Preferred site and associated strategy

- Select preliminary preferred plant site, outfall location and collection system based on the detailed evaluation
- Present the recommended preliminary preferred alternatives at Public Information Centre No. 3 (Winter 2020)

* Public input will be used as appropriate throughout the evaluation process

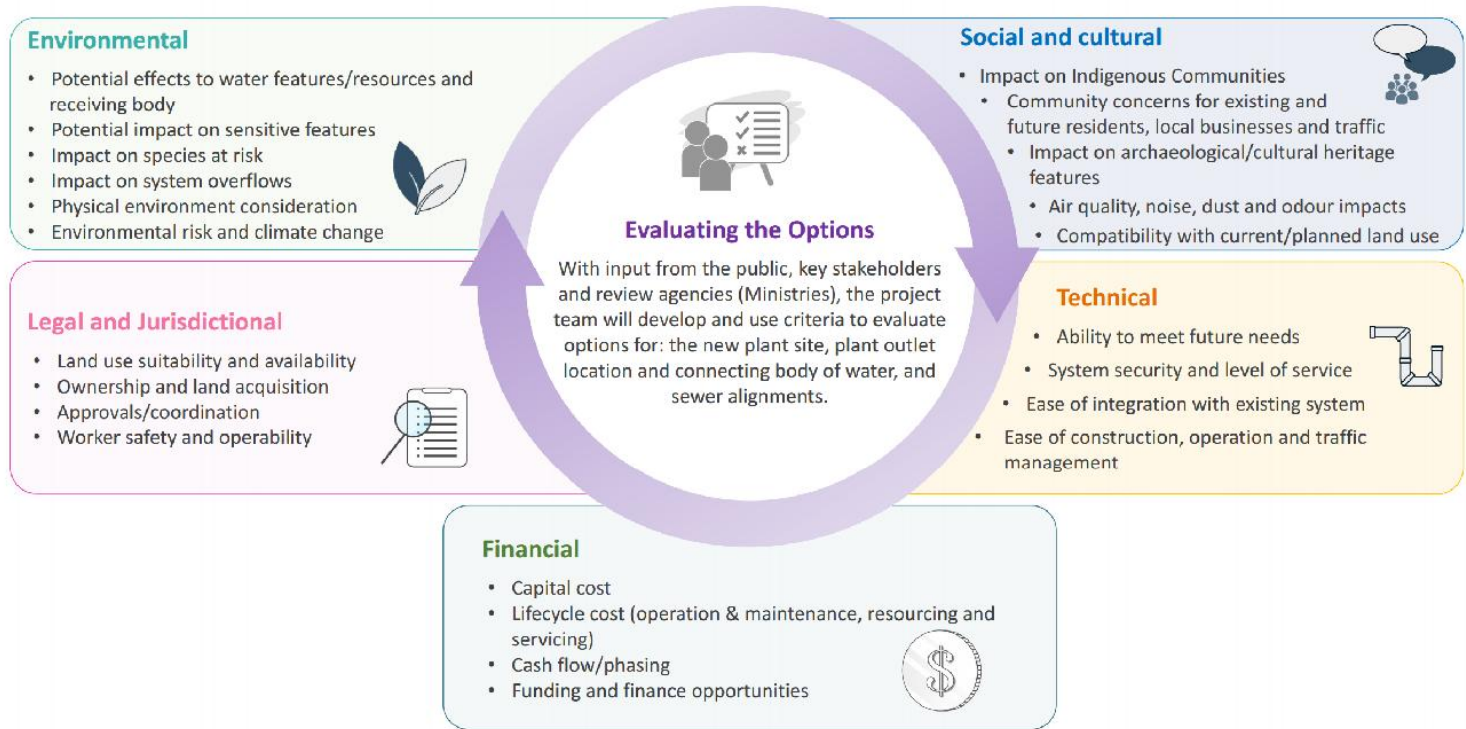


Long List of Potential Sites for the New WWTP

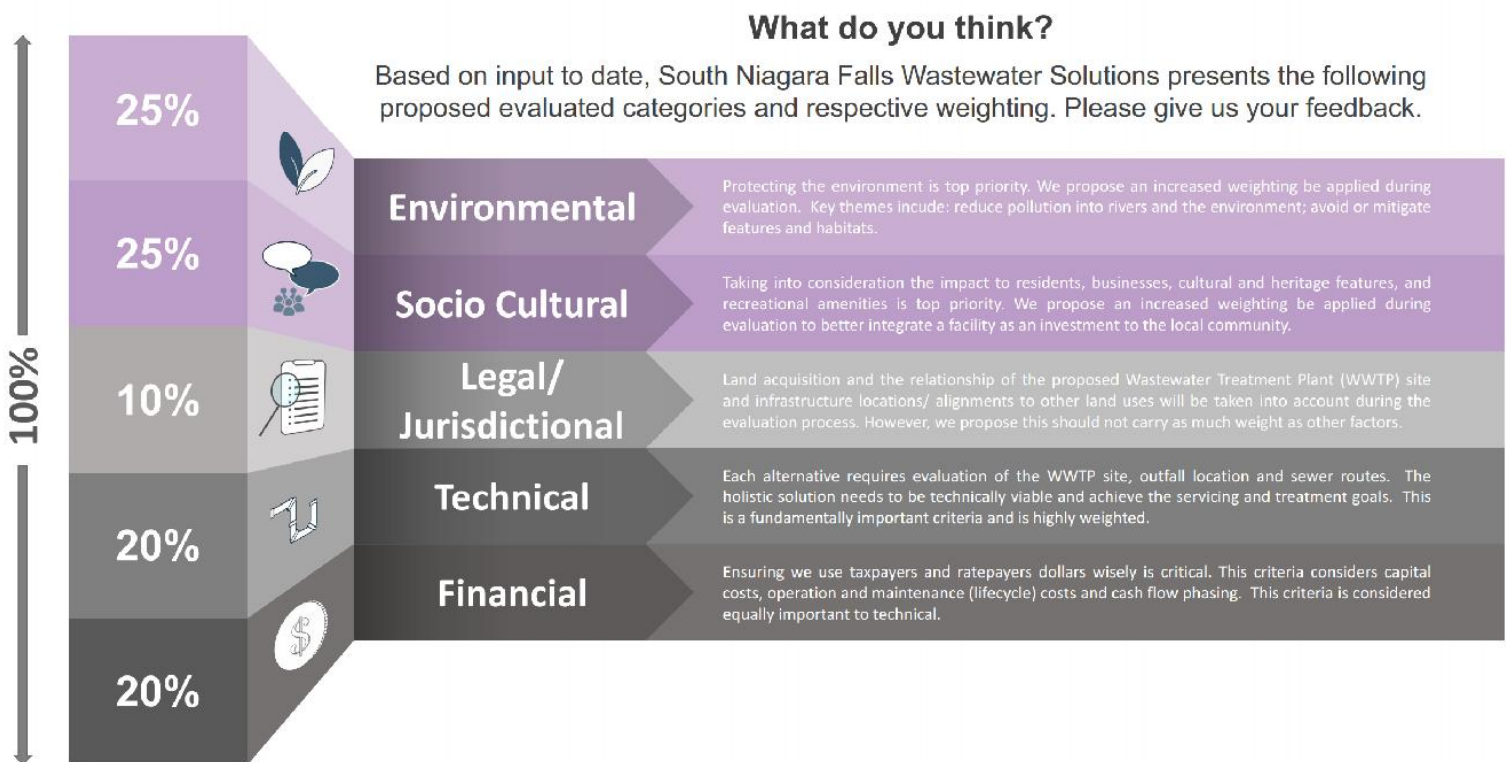


Note: The exact location of the new wastewater facility will be determined at a later date





Proposed Weighted Evaluation Criteria



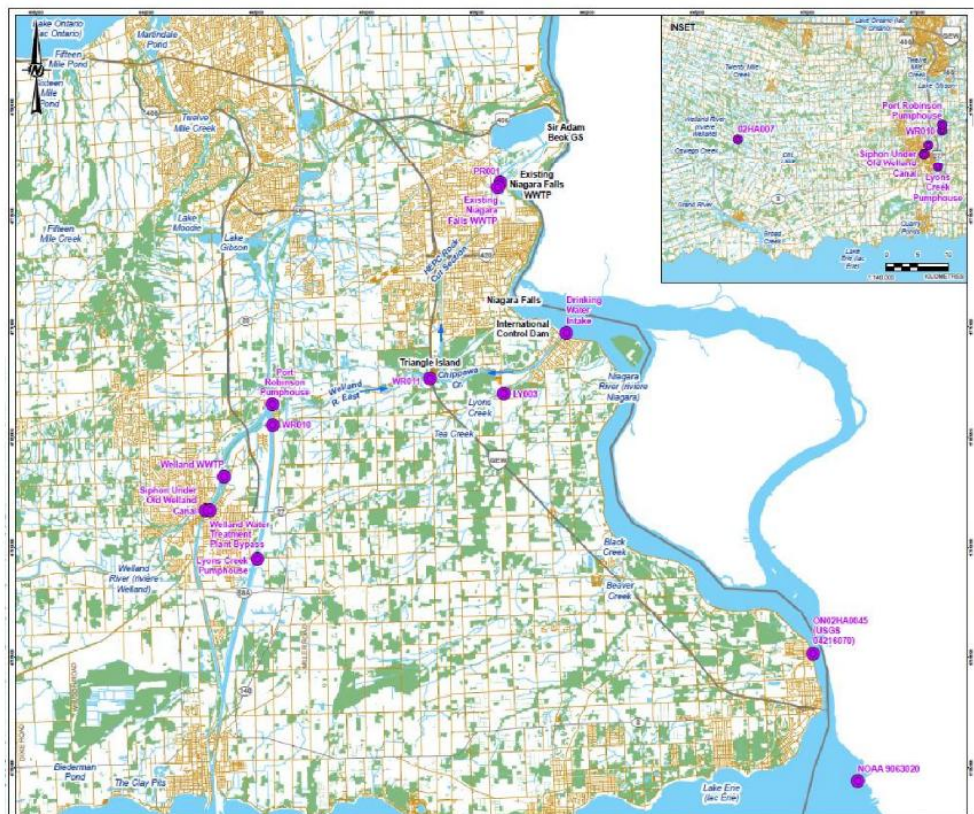
Study Purpose

- Evaluating the assimilative capacity of the receiving environment for each of the considered discharge locations considering seasonal effects.
- Wastewater discharge of 30MLD.
- Identifying the discharge concentration limits of key water quality parameters to meet:
 - Provincial Water Quality Objectives (PWQOs),
 - CCME criteria (where PWQOs are not available),
 - or to maintain Policy 2 conditions where appropriate.

Assimilative Capacity Study

Data Sources

- WSC
 - Welland River Flows
- OPG
 - HEPC Flows
- USGS
 - Niagara River Flows
- St. Lawrence Seaway
 - Supplemental Flows
- MECP
 - PWQMN Water Quality
- NPCA
 - Water Quality
- Niagara Region
 - Existing WWTPs
 - Drinking Water Intake
- NOAA and Environment Canada
 - Niagara River Water Quality



Data Conclusions and Generalizations

Flow Data

- No seasonal variation for Niagara River Flow
- HEPC and Chippewa Creek flows are regulated and cannot be represented as natural
- Supplemental flows from Welland Canal define low flow conditions in Welland River East and Lyons Creek
- Regulated flows over falls define low-flow conditions for Location 4

Water Quality Data

- Water quality in Chippewa Creek and HEPC generally defined by Niagara River water quality
- Phosphorous concentrations in the Niagara River tend to increase outside the growing season
- Exceedances of phosphorous and E.coli. in Welland River and cause exceedances in HEPC
- Water quality in Welland River East, particularly total phosphorous, deteriorates as the natural flows increases



Applicable Water Quality Objectives

- PWQOs used where possible
- CCME Guidelines used where no PWQO
- Bold values indicate selected objective

Parameter	PWQO or CCME Guideline
Unionized Ammonia	0.0164 mg/L as N
Total Ammonia	Estimated from unionized ammonia criteria based on ambient water temperature and pH using equations in the Provincial Water Quality Objectives (MOEE 1994)
Nitrate	3 mg/L as N
E. coli.	100 cfu/100mL
Total Phosphorous	<ul style="list-style-type: none"> ➢ 0.01 mg/L for protection of naturally velar lakes ➢ 0.02 mg/L to avoid nuisance algae in lakes ➢ 0.03 mg/L to avoid excessive plant growth in rivers and streams
Dissolved Oxygen	<ul style="list-style-type: none"> ➢ 54% of saturation or 5 mg/L above 20°C for cold water fisheries ➢ 47% of saturation or 4 mg/L above 20°C for warm water fisheries
Total Suspended Solids	<ul style="list-style-type: none"> ➢ During clear flow (low flow): Maximum average increase of 5 mg/L from background levels for longer term exposures (24 hours to 30 days). ➢ During high flow: Maximum increase of 25 mg/L from background levels at any time when background levels are between 25 and 250 mg/L. Should not increase more than 10% of background levels when background is ≥ 250 mg/L.



Parameter	Compliance Point	Winter				Spring				Summer				Fall			
		L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4
Unionized Ammonia (mg/L)	Local	0.5	15.5	15	3	0.4	15.3	15	2.87	nc	13.9	13.9	2.74	0.3	14.2	14	2.86
	System	15.5				na				13.8				na			
Total Ammonia (mg/L)	Local	48 (48)	1,681 (2,008)	1,633 (1,940)	338	16 (20)	625 (710)	609 (677)	158	nc	142 (172)	143 (174)	35.6	5 (6)	304 (333)	299 (334)	98
	System	1,663 (2,003)				na				610 (707)				na			
E. coli (cfu/100 mL)	Local	nc (nc)	nc (nc)	55,235 (48,567)	9,276	nc (nc)	75,615 (78,132)	94,761 (85,459)	16,249	nc (nc)	107,736 (88,800)	107,869 (88,996)	19,368	nc (nc)	76,549 (69,113)	81,586 (71,728)	13,680
	System	nc				na				78,132 (75,382)				na			
Nitrate (mg/L)	Local	29 (23)	3,149 (2,644)	3,108 (2,621)	497	96 (67)	3,069 (2,681)	2,910 (2,614)	497	103 (99)	3,334 (2,750)	3,219 (2,652)	577	83 (73)	3,245 (2,807)	3,133 (2,735)	521
	System	2,629 (3,142)				na				2,668 (3,062)				na			
Total Phosphorous (mg/L)	Local	nc	nc	nc	nc	nc	nc	3.28 (3.80)	0.76	nc	6.93 (5.69)	9.20 (7.65)	1.71	nc	nc (0.23)	2.97 (2.84)	0.58
	System	nc				na				nc				na			
Dissolved Oxygen (% Saturation)	Local	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
CBOD ₅ (mg/L)	Local	365	6,296	5,923	1,118	338	5,364	4,999	999	245	7,941	7,689	1,461	239	5,097	4,885	927
Total Suspended Solids (mg/L)	Local	204	5,047	4,880	934	202	5,047	4,866	985	213	5,046	4,846	934	201	5,046	4,855	934

- GoldSim used for Total Ammonia, E.coli, Nitrate, and phosphorous (values in brackets).
- System compliance point not applicable to Location 4
- System compliance point not applicable to Dissolved Oxygen, CBOD₅, or TSS

Effluent Criteria

Effluent Quality for Selected Treatment Technologies

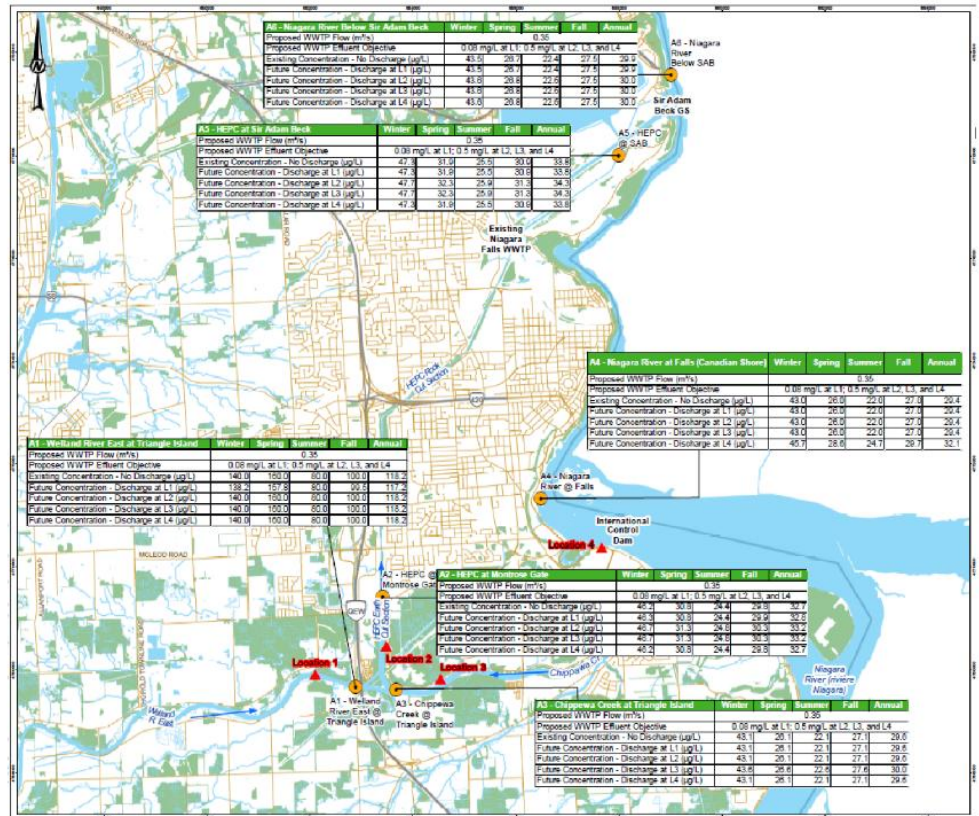
- Used to identify level of treatment for each location
- Used to estimate effects of the project on the environment

Process	Effluent Parameter ^{1,2}			
	CBOD ₅ (mg/L)	Total Suspended Solids (mg/L)	Total Phosphorous (mg/L)	Total Ammonia (mg/L as N) ³
Conventional Activated Sludge System				
Without Phosphorous Removal	15	15	3.5	15 to 20
With Phosphorous Removal	15	15	<1.0	15 to 20
With Phosphorous Removal and Filtration	5	5	<0.3	15 to 20
With Nitrification and Phosphorous Removal	15	15	<1.0	<3
Membrane Bioreactor				
With Phosphorous Removal	2	1	0.1	0.3

Notes:

- Taken from "Design Considerations for Sewage Treatment Plants" (MECP 2019)
- The above values are based on raw sewage with CBOD₅ = 150-200 mg/L, Soluble CBOD₅ = 50% of CBOD₅, TSS = 150-200 mg/L, TP = 6-8 mg/L, TKN = 30-40 mg/L, TAN = 20-25 mg/L.
- TAN (total ammonia nitrogen) concentrations may be lower during warm weather conditions if nitrification occurs.

- Please see handouts
- A1 to A4 are local compliance points
- A5 is the System Compliance Point in HEPC
- A6 is in Niagara River Below Sir Adam Beck
- Largest differences are at A1 for discharge into Welland River
- Most differences are in 2nd or 3rd significant figure and may not be measurable



South Niagara Falls Wastewater Solutions
Municipal Schedule 'C' Class Environmental Assessment

Preliminary Effluent Criteria – Welland River East

Table 64: Proposed Effluent Objectives and Limits for Discharge at Location 1 – Welland River East

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.10	0.16
Total Ammonia (mg/L)	Summer	0.75
	Winter/Spring/Fall	4.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	5	10
Total Suspended Solids (mg/L)	5	10

- Enhanced Tertiary Level of Treatment for Phosphorus due to Policy 2 Conditions in River
- Ammonia limits approaching limits of technology
- BOD5 and TSS consistent with tertiary treatment
- Nitrate and DO are not parameters of concern



Table 65: Proposed Effluent Objectives and Limits for Discharge at Location 2 – Hydro Electric Power Canal

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	3.0
	Winter/Spring/Fall	6.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



Preliminary Effluent Criteria – Chippawa Creek

Table 66: Proposed Effluent Objectives and Limits for Discharge at Location 3 – Chippawa Creek

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	3.0
	Winter/Spring/Fall	6.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



Table 67: Proposed Effluent Objectives and Limits for Discharge at Location 4 – Niagara River

Parameter	Proposed Effluent Objectives	Proposed Effluent Limits
Total Phosphorous (mg/L)	0.5	0.75
Total Ammonia (mg/L)	Summer	2.0
	Winter/Spring/Fall	5.0
<i>E. coli</i> (cfu/100 mL)	100	200
CBOD ₅ (mg/L)	15	25
Total Suspended Solids (mg/L)	15	25

- Secondary Treatment Level of Treatment for Phosphorus
 - On annual average TP concentrations below PWQO
 - Background concentrations exceed PWQO in winter months due to Niagara River influences
 - Virtually no measurable impact on water quality with proposed limits.
- BOD5 and TSS consistent with secondary treatment
- Nitrate and DO are not parameters of concern



ACS Conclusions and Recommendations

- Phosphorous constraints during the winter for discharges to the HEPC, Chippewa Creek, and the Niagara River due to concentrations in the Niagara River.
- Additional constraints in Welland River East (phosphorous and ammonia) would require more advanced treatment than compared to other locations
- For nitrate, *E. coli*, CBOD₅, dissolved oxygen, and TSS the maximum allowable effluent concentrations are greater than the expected effluent concentrations from a conventional activated sludge treatment plant.
- At most locations, the expected water quality concentrations are not expected to be measurably different from the existing conditions.
 - The exception is at Location 1 where measurable differences in water quality in the immediate area of the discharge are expected.



- This phase of the ACS represents an initial analysis of the 4 alternative outfall locations.
- The draft ACS report provides comment on:
 - the suitability of each location
 - the existing water quality
 - the proportion of flow at each location, and
 - the anticipated effluent criteria (level of treatment)
- From this first phase of analysis, evaluation of potential wastewater treatment plant sites and outfall locations will be completed to select a preferred solution.
- Additional outfall dispersion modelling will be completed for the preferred solution to refine effluent limits and outfall design criteria.
- Ultimately, a final consolidated Assimilative Capacity Study will be completed and circulated for additional comment as part of the Class EA process.
- Require agency and stakeholder feedback that the approach and preliminary results are consistent with expectations of the stakeholder group.

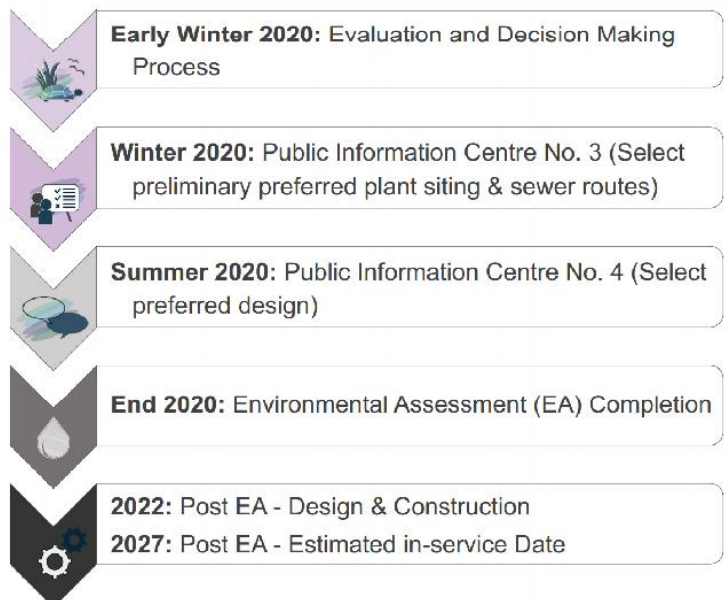


Next Steps

Next Steps

- Review input provided on evaluation criteria used: Is there additional criteria you believe should be considered? Does the information provided make sense and do you agree with the evaluation criteria weightings and process?
- Complete evaluation process on long list of sites to short list of 3-5 sites then to preliminary preferred solution
- Public Information Centre 3 in **Winter 2020**: Present evaluation and preliminary preferred solution. This PIC will look to engage the public and receive feedback on the preliminary preferred solutions including the new plant site location

Schedule:



- Formalized support for the process
- Comment on status of our recommendations
- Commitment to review and comment for the preferred solution



Meeting Agenda: Ontario Power Generation – Project Update Meeting South Niagara Falls Wastewater Solutions Class Environmental Assessment

Date/Time: Monday, January 27, 2020 1:00 – 2:30 p.m.
Location: 3501 Schmon Parkway – Environmental Centre, Room I

Meeting Called by: SNF Wastewater Solutions Team

Objectives:

1. Class EA Update
2. Discuss Sites and Outfall Locations
3. Next Steps

Participants

Chair: Chris Hamel

Attendees: Chris Hamel (GMBP), Danielle MacKinnon (GMBP), Lisa Vespi (RMON), Doug Johnson (RMON), Joseph Tonellato (RMON), Tony Cimino (RMON), Robert Fleeton (Advisor), Tony Palma (OPG), Peter Kowalski (OPG), Jo-ann Kinnear (OPG), Kent Keeler (OPG)

Matters for Discussion	Lead
Agenda Outline	
1. Class EA Update <ol style="list-style-type: none"> a) Evaluation Process b) Review Short-Listed Sites and Outfall Locations 	GMBP
2. Short-List Discussion <ol style="list-style-type: none"> a) WWTP Sites – Coordination Needs b) Outfall Locations – HEPC vs. Chippawa Creek c) Preliminary Design Concept Considerations 	GMBP/OPG
3. Property Coordination	GMBP/OPG
4. Next Steps	GMBP/RMON

Additional items to be communicated to Chair prior to meeting.

Meeting Minutes: OPG Update Meeting South Niagara Falls Wastewater Solutions Class Environmental Assessment

Meeting Date/Time: 2020/01/27
Location: 3501 Schmon Parkway, Thorold, Environmental Centre, Room 1

Minutes Prepared by: Danielle MacKinnon (GM BluePlan)
Date of Minutes: 2020/01/27

Attendance

Chair: Chris Hamel (GM BluePlan)
Attendees: Chris Hamel (GM BluePlan), Danielle MacKinnon (GM BluePlan), Lisa Vespi (RMON), Joe Tonellato (RMON), Tony Cimino (RMON), Doug Johnson (RMON), Bob Fleeton (Advisor), Tony Palma (OPG), Kent Keeler (OPG), Jo-Ann Kinnear (OPG), Peter Kowalski (OPG)

Items Discussed for Information

1. Class EA Update
 - GM BluePlan provided an update on the SNFWWS Class EA. The study is currently working through the detailed evaluation process and has recently determined the short list of potential WWTP sites and outfall locations.
 - Attendees were provided a map highlighting the selected sites and outfall locations. Short listed WWTP sites include: Sites '1', '4', '5', and '8'. Short listed outfall locations include Welland River East (Chippawa Creek) and OPG Hydro Electric Power Canal (HEPC).
2. Short List Discussion
 - At Public Information Centre No. 3, scheduled for March 11, 2020, the Project Team will present the preliminary preferred site and outfall location. As it currently sits, Site '8' does look advantageous. Even if selected as the preliminary site, we may receive additional information which may guide the Class EA to another site (i.e. Site '5').
 - Project Team notes that the plant discharge will not worsen water quality. Expects same water quality as today, if not better. Based on HEPC / Chippawa Creek water quantity, WWTP will be a very minimal addition (0.1% of existing flow).
 - OPG notes that having an outfall to Chippawa Creek rather than HEPC will provide operational flexibility. This will allow OPG to take canal out of service and not be restricted.
 - Southern portion of the HEPC will allow for some flexibility to not impede operations however the northern portion may directly interfere with OPG operations. The Project Team does not anticipate extending the outfall in the northern portion of the HEPC. OPG notes that for future maintenance, the least inside of the HEPC is favourable. This will minimize coordination with operations and control of flows.
 - OPG notes that Site '8' will be the best option for maintenance and operations. Once inside the buoys, just north of triangle island, there are some hurdles within the area. North of buoys would require additional workplace safety and is designated as a "work protection zone". Would want divers to go in low flow conditions. Need to highlight safety emphasis when within OPG area.
 - In 2007, dropped Montrose Gate and reduced flow. OPG has plans to perform temporary maintenance shutdown in 2022 earliest. The cofferdam would be in place for 9 months (April to

Sept). Temporary closure of Montrose Gate would take the flow to zero. Once closed, could moderate flows simpler than today. Reduced flow would decrease energy costs and have impact on OPG production.

- Project Team notes that design considerations include infrastructure at bottom surface, with potential for diffuser to be exposed. OPG notes that divers and processes depend on the flow. Have previously used boats with sonar to record conditions. Divers require half or quarter of flow.
- If divers in Chippawa Creek require reduced flow, same coordination will be required with OPG.
- Will outfall be visible from Plant? Expected to be at the river bed except for the diffuser. Diffuser is required by MECP to enhance mixing zone and improve existing conditions and “dead zones”. The Project Team will need to calculate head loss. Chippawa Creek is fairly deep, which will work to our advantage based on existing recreational use.
- OPG notes that DFO / Transport Canada will need to be consulted as Chippawa Creek is considered a navigable waterbody.
- Once Project Team has worked through design concepts, OPG would like to provide input.

3. Property Coordination

- OPG confirms ownership along the HEPC, just north west of Triangle Island. OPG does not own the Site 5 easement (CNF lands).
- Region confirms that if preferred site or outfall location is within OPG lands, a formal agreement will be required.
- OPG notes the mouth of the creek does have history of spilling into the Site ‘5’ property.
- OPG corridor into the canal ownership / flexibility? OPG will have to look at vegetation to see width. Portion is currently not used by OPG but is available for access and constructability. OPG does have legal setbacks required for public safety from the water’s edge and operations.
- OPG may be removing select vegetation along the water’s edge. There is some dead vegetation that gets transported to the canal and has been increasing maintenance requirements,
- OPG notes there are some Species at Risk (SAR) in the OPG corridor and to be mindful of SAR within the WWTP siting area.

4. Next Steps

- Project Team to finalize the siting and outfall evaluation.
- PIC No. 3 scheduled for March 11, 2020 will present the preliminary preferred WWTP site, outfall location and collection strategy.
- Project Team and OPG will host next update meeting following PIC No. 3 when preferred solution is confirmed, and Team has worked through initial design concepts.
- OPG will provide additional commentary during the conceptual design phase.

Action Items	Action By
1. OPG staff will receive invite and link to materials available at PIC No. 3.	LV / DM
2. Project Team and OPG will host next update meeting following PIC No. 3 when preferred solution is confirmed, and Team has worked through design concepts.	LV / CH

Items in Agreement

3. Outfall within OPG buoys (north of triangle island) would require additional workplace safety and is designated as a “work protection zone”. Would want divers to go in low flow conditions. Need to highlight safety emphasis when within OPG area. For future maintenance, OPG has preference with minimal infrastructure inside OPG boundaries.
 4. OPG operations would need to become aware of any flow reduction requests associated with divers in Chippawa Creek or HEPC. Would need to state timing and duration with request. OPG notes that there is ice and potential for freezing with reduced flow.
 5. Benefit in coordinating OPG future maintenance shutdown with the new WWTP diffuser construction.
-

Next Meeting: TBD

Notice of any errors or omissions in this document should be communicated by attendees to minute taker within two (2) days of issue of these minutes.

- c. Attendees (by email)

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment

OPG Update Meeting

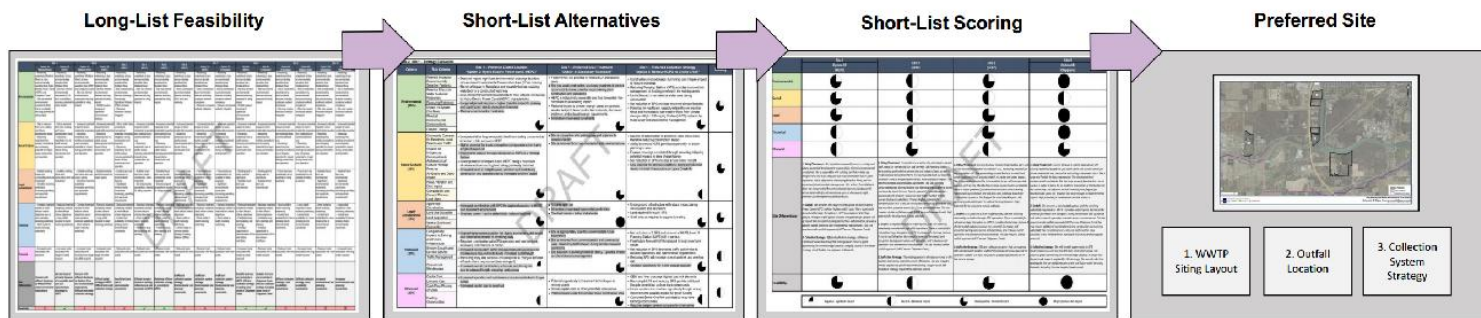
Monday January 27, 2020

Niagara Region HQ – Environmental Centre, Room 1

Agenda

1. Class EA Update
 - Evaluation Process
 - Short Listed Sites and Outfall Locations
2. Short-List Discussion
 - Siting Coordination Needs
 - Outfall Locations - HEPC vs. Chippawa Creek
 - Preliminary Design Concept Considerations
3. Property Coordination
4. Next Steps and Timing





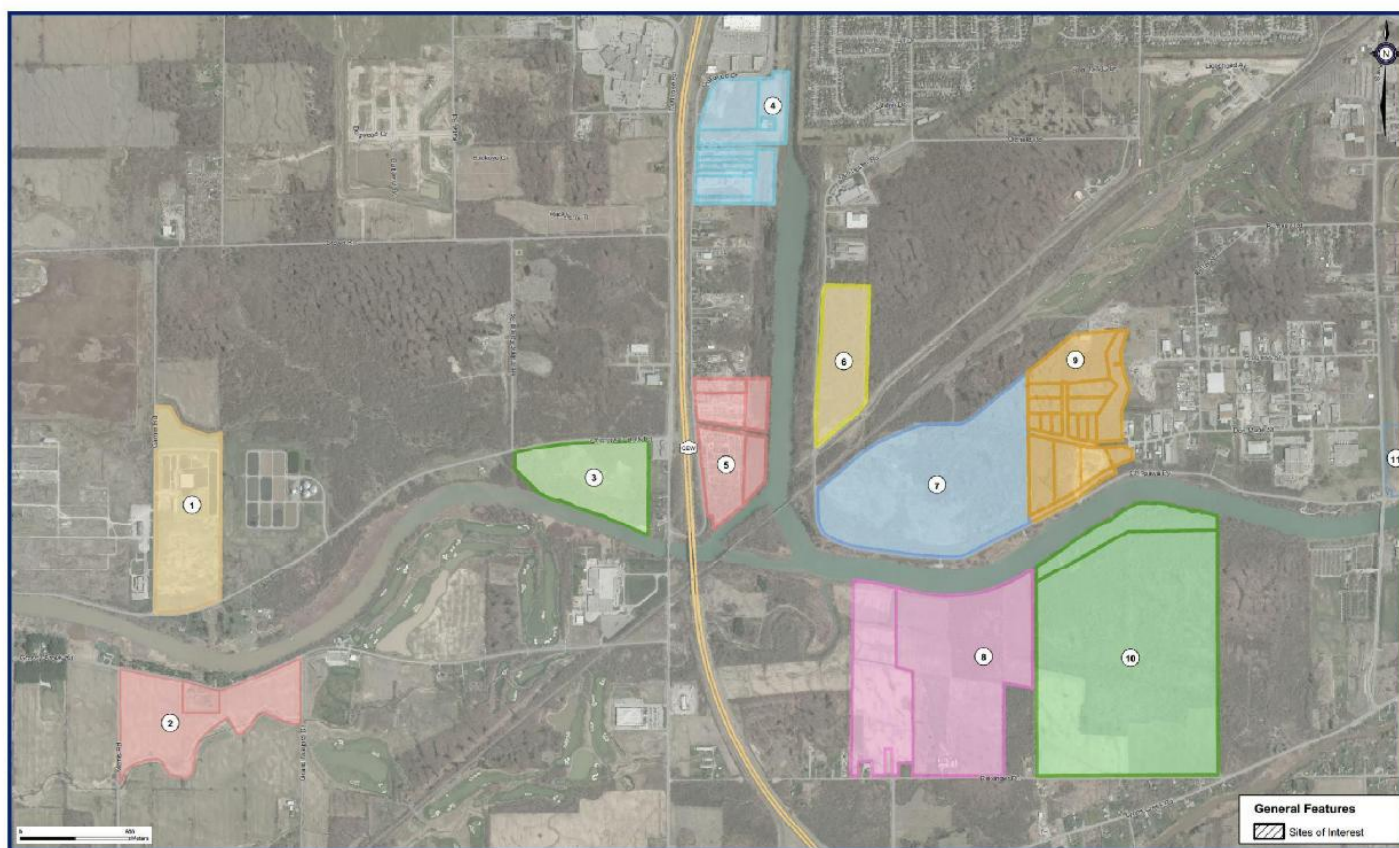
- All siting options compared against Environment, Social-Cultural, Legal-Jurisdictional, Technical and Financial criteria (Multiple Bottom Line)
- Defines key site differentiator
- Evaluates long-list to feasible short-list

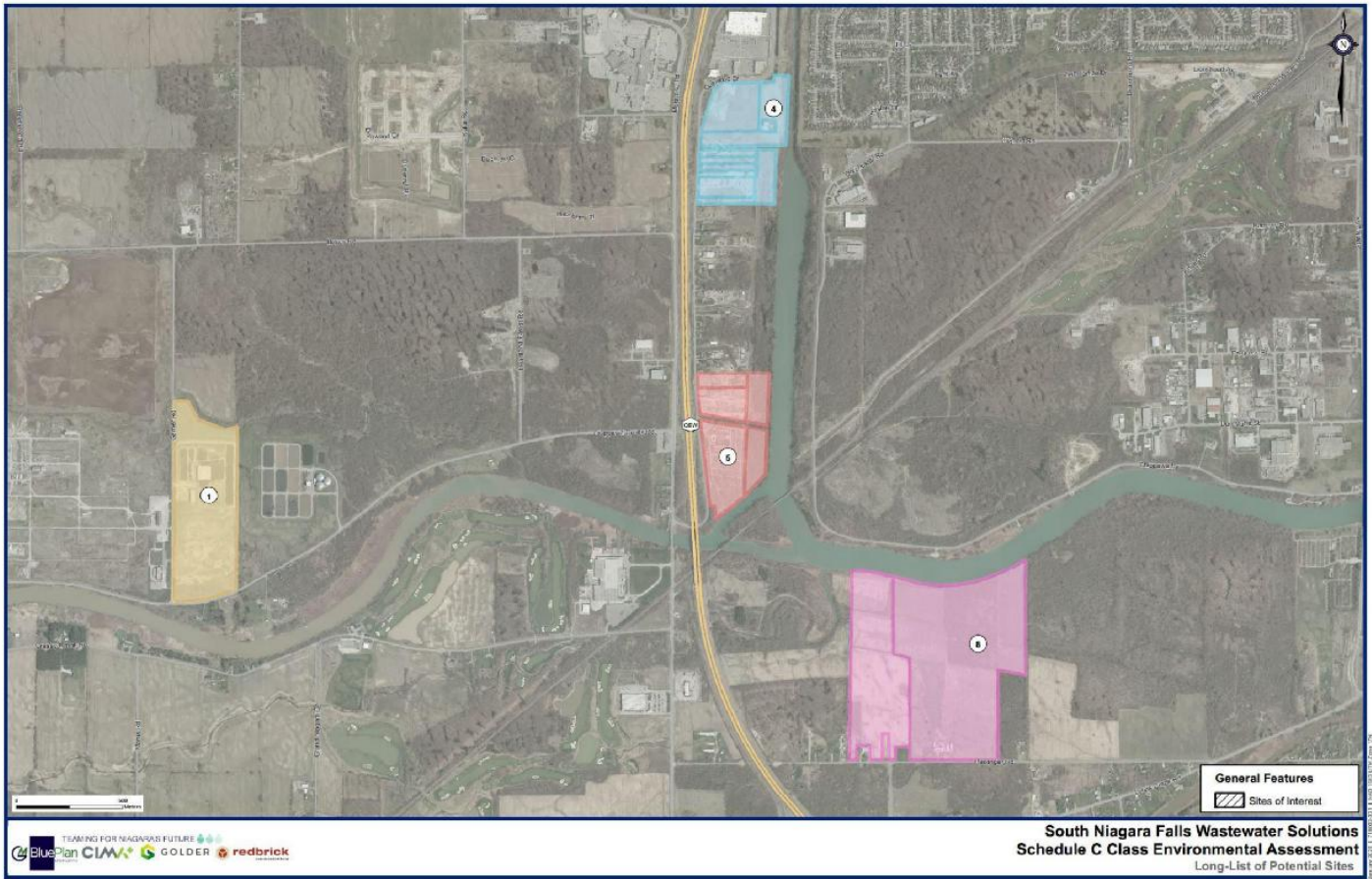
- Commentary provided for each short-listed site against MBL sub-criteria
- Presents preferred strategies for siting/treatment, outfall, and collection system
- Comparatively evaluates short-listed strategies against each other

- Presents evaluated MBL strategies for each short-listed site
- Provides final commentary on detailed differentiators with respect to siting/treatment, outfall and collection system strategies

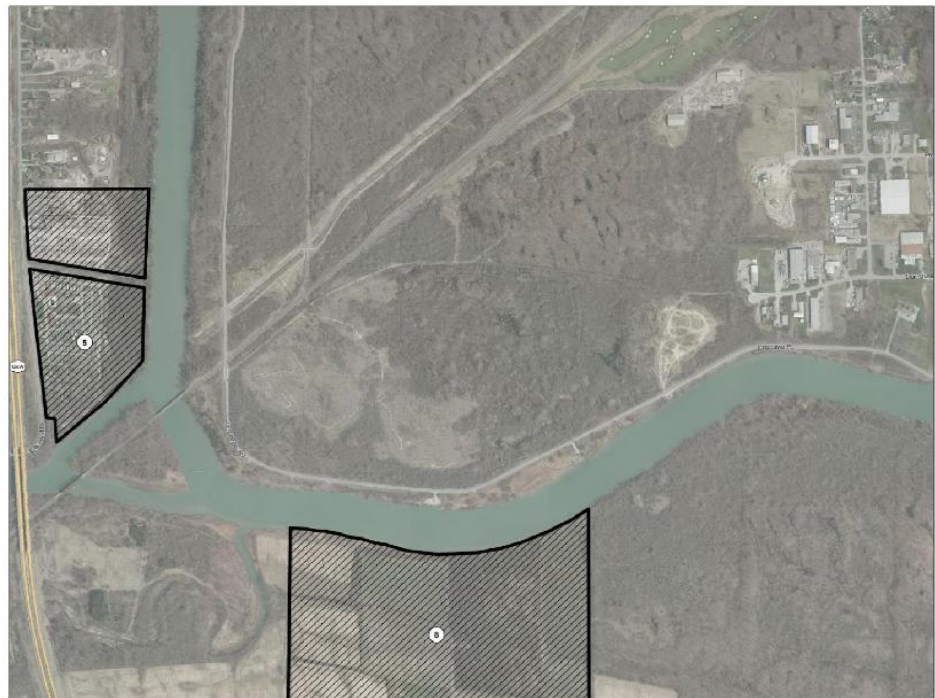
- Presents overall strategy for the selected site
- Provides rationale for each MBL category
- Illustrates the preferred collection system strategy, outfall location, and WWTP siting option

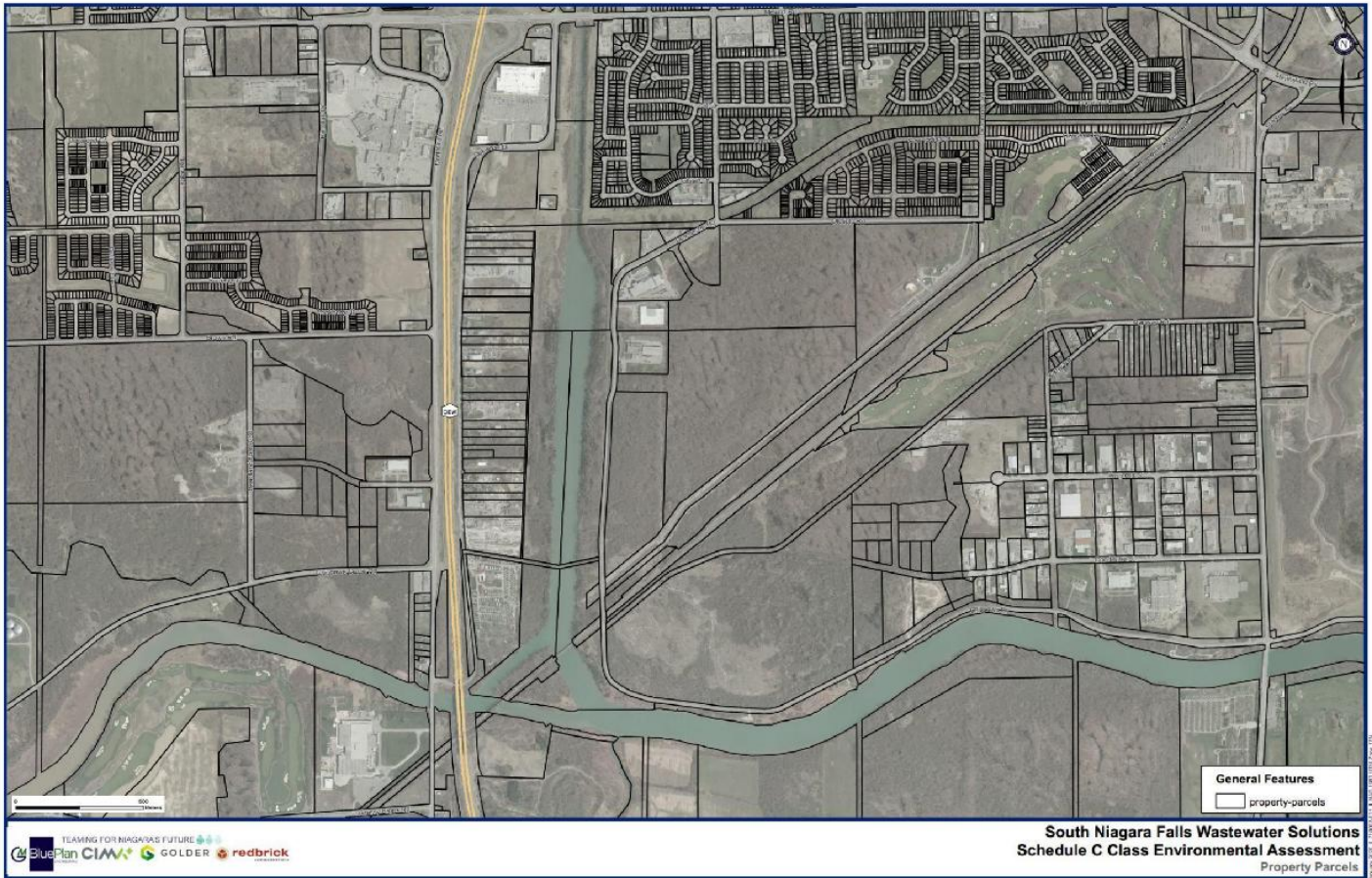
Long-List of Sites





Infrastructure Siting





Next Steps

January/February 2020

- Complete short-listed property meetings
- Finalize detailed evaluation on short-listed sites
- Select preferred site, receiving waterbody, and collection system strategy

March 2020

- Present preferred solution at PIC No. 3 (March 11, 2020)



Discussion



Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, July 31, 2020 11:49 AM
To: 'Vespi, Lisa'
Cc: McGill, Stephanie; New Treatment Plant
Subject: RE: SNF WW Bathymetry Survey

Thanks Lisa, I will share this information with Golder.
I will also follow-up with CIMA to confirm their bathymetry needs.

Thank you,

Danielle MacKinnon, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Friday, July 31, 2020 11:41 AM
To: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Cc: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>; New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Subject: FW: SNF WW Bathymetry Survey

Hi Danielle,

Please see below. I think we should only include summary, reference and this disclaimer (and not append the actual report).

Thank you,
Lisa

From: PALMA Tony -ENG&TECHSERV <tony.palma@opg.com>
Sent: Friday, July 31, 2020 9:55 AM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Cc: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>; New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Subject: RE: SNF WW Bathymetry Survey

CAUTION: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Hi Lisa

We can allow you to use, however, please note the following:

- OPG's disclaimer is as follows, and this should be incorporated in any document that carries reference to the report

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- The ASI report actually formed part of "SAB Power Canal Condition Assessment and Refurbishment Alternatives Study – Volume II (a)" prepared by Hatch for OPG as part of the Canal condition assessment – see pdf cover sheet attached for report reference info. ASI was a sub to Hatch, who undertook our Condition Assessment and Volume II was the appendices to the main report. This may be more appropriate if/when you reference the ASI report, in context of the Hatch work for us.. We provided you with the extracted ASI portion only.

Thanks
Tony

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>

Sent: Thursday, July 30, 2020 4:34 PM

To: KOWALSKI Peter -HTO <peter.kowalski@opg.com>; PALMA Tony -ENG&TECHSERV <tony.palma@opg.com>

Cc: McGill, Stephanie <Stephanie.McGill@niagararegion.ca>; New Treatment Plant

<New.Treatment.Plant@niagararegion.ca>

Subject: SNF WW Bathymetry Survey

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Hi Peter and Tony,

I hope you're well. As part of the SNF WW Solution EA that is underway, Golder has reviewed the Bathymetry survey report from ASI (provided by OPG). The information has proven to be quite valuable to us and Golder has suggested that we do not need to complete any additional work at this time.

Is the Region (together with GM BluePlan) allowed to include a summary of the findings of the survey in our project reporting. We can include disclaimers as necessary.

Please let me know.

Thank you,

Lisa Vespi, P.Eng., PMP

Senior Project Manager, Water and Wastewater Services

Niagara Region

Phone: 905-980-6000 ext. 3640

MailScanner has detected a possible fraud attempt from "can01.safelinks.protection.outlook.com" that could be a fraud attempt as the link does not match the site its claiming to be www.niagararegion.ca

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Danielle MacKinnon - GM BluePlan

From: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Sent: Friday, August 14, 2020 12:27 PM
To: Chris Hamel - GM BluePlan; Danielle MacKinnon - GM BluePlan; Andrea Clemencio - GM BluePlan; Elaine Samuel - GM BluePlan; Julien Bell - GM BluePlan; Chris Campbell - GM BluePlan; David Watt - GM BluePlan
Cc: PALMA Tony -ENG&TECHSERV; REPERGEL Steve -STAKEREL; KINNEAR Jo-Ann - STHCENTOPS; KEELER Kent -STHCENTOPS
Subject: Status Update: SAB Canal Refurbishment Project

Hello All;

I am writing on behalf of Ontario Power Generation (OPG) to update you on the Sir Adam Beck Power Canal Refurbishment Project.

For the past few years, OPG has been studying and cataloging the integrity of the Canal and options for its refurbishment. To date, an exhaustive amount of data has been gathered, from historical records to modern day 3D technology used to scan the full length of the Canal, SAB 1 forebay, and eastern branch of the Welland River (between the Canal entrance and upper Niagara River).

After a thorough risk review, and a detailed technical assessment, it has been determined that the project will be deferred to post 2026. The decision to defer the project is in the best interest of OPG, and its ratepayers. Any additional degradation prior to restarting the project is expected to have minimal impact on water flow and generation.

Although the Project is deferred, OPG strongly encourages the completion of the Niagara Falls Water Treatment Plant Intake relocation, (inclusive of any required Source Water Protection Plan amendments. This initiative should be done as soon as possible in preparation for any Canal outage. OPG also kindly requests periodic updates related to the design and construction of the new South Niagara Waste Water Treatment Plant. In addition, OPG is committed to working through the process of delineating the stormwater drainage network flowing into the SAB Canal and archiving these records for future use. Going forward, please continue to communicate with myself, and/or Kent Keeler, Senior Manager, Plant Support or Jo-Ann Kinneer, Program Coordinator/Advisor for South Central Operations on items related to your infrastructure into/along/adjacent to OPG lands.

Thank you,

Peter Kowalski

External Interface Coordinator

Sir Adam Beck Canal Rehabilitation Project

T: 289.302.1710 | C: 905.246.5110 | E: peter.kowalski@opg.com

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intended recipient and have received this message in error, please notify me by return e-mail and delete this message from your system. Ontario Power Generation Inc.

Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Thursday, January 28, 2021 2:58 PM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: SAB Canal Project Close Out Message

just checking you had this

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca



From: KOWALSKI Peter -HTO <peter.kowalski@opg.com>
Sent: Thursday, December 17, 2020 10:53 AM
To: Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Cc: Elaine Samuel - GM BluePlan <Elaine.Samuel@gmblueplan.ca>; Julien Bell - GM BluePlan <julien.bell@gmblueplan.ca>; Andrea Clemencio - GM BluePlan <Andrea.Clemencio@gmblueplan.ca>; David Watt - GM BluePlan <david.watt@gmblueplan.ca>; David Daikh - GM BluePlan <David.Daikh@gmblueplan.ca>; peter.g.kowalski@gmail.com
Subject: SAB Canal Project Close Out Message

Hello Chris and GMBP Team,

As the end of the year approaches, the SAB Canal Project is now moving into its Safe-State phase effective January 1, 2021. All custodian aspects of the Project should now be referred to Kent Keeler as he assumes that responsibility going forward.

As External Interface Coordinator for the SAB Canal Project, my contract role with OPG will end on December 31, 2020. I would like to take this opportunity to say 'Thank You' to you and your team members for your collaboration and support during the past 3+ years. Working with you to further the intent of the Project has been a great experience for me and I appreciate your contribution and partnership. It is my hope that we will work on this project again or other collaborative projects in the future.

Wishing you, your family and team members all the very best for the Holiday Season and the year ahead.

Best Regards,

Peter Kowalski
External Interface Coordinator
Sir Adam Beck Canal Rehabilitation Project
T: 289.302.1710 | C: 905.246.5110 | E: peter.kowalski@opg.com

THIS MESSAGE IS ONLY INTENDED FOR THE USE OF THE INTENDED RECIPIENT(S) AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, PROPRIETARY AND/OR CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying, conversion to hard copy or other use of this communication is strictly prohibited. If you are not the intended recipient and have received this message in error, please notify me by return e-mail and delete this message from your system. Ontario Power Generation Inc.

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Wednesday, February 03, 2021 9:19 AM
To: Chris Hamel - GM BluePlan; Chris Campbell - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca; yanhong.du@ontario.ca
Cc: jennifer.harvard@ontario.ca; ngreen@npca.ca; ke.jones@opg.com; alison.bradley@opg.com
Subject: RE: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
Attachments: SNFWWS - Agency Update Minutes 20210119 (DRAFT).pdf

Hi All,

Thank you for participating in the South Niagara Falls Wastewater Solutions Class EA – Agency Update Meeting on January 19th, 2021. Please find the meeting minutes attached for your review and record.

For proposed meeting minute revisions, please download the following document and respond to this email with any tracked changes: [https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS - Agency Update Minutes 20210119 \(DRAFT\).docx](https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_130150_SNFWWS_-_Agency_Update_Minutes_20210119_(DRAFT).docx)

If you have any comments or questions please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



-----Original Appointment-----

From: Danielle MacKinnon - GM BluePlan
Sent: Friday, November 20, 2020 12:29 PM
To: Danielle MacKinnon - GM BluePlan; Chris Hamel - GM BluePlan; Vespi, Lisa; Bob Fleeton (rfleeton@outlook.com); Anema, Jade; Cimino, Tony; Tonellato, Joseph; Troy Briggs; Campbell, Sylvain (MECP); barbara.slattery@ontario.ca; Michael.Spencer@ontario.ca; jennifer.harvard@ontario.ca; jdiamond@npca.ca; ddeluce@npca.ca; aaldworth@npca.ca; kent.keeler@opg.com; joann.kinnear@opg.com; ke.jones@opg.com; meredith.crouch@opg.com; Wayne.Simpson@ontario.ca
Subject: South Niagara Falls WW Solutions Class EA - Agency Design Concept Review
When: Tuesday, January 19, 2021 1:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: GoTo Meeting

Thank you for your continued participation in the *South Niagara Falls WW Solutions Schedule C Class EA*. Please join using the GoTo Meeting details below, to walk through preliminary design concepts for the new South Niagara Falls WWTP site and related sewer components.

This invite has been extended to the following groups: Ministry of the Environment, Conservation and Parks; Niagara Peninsula Conservation Authority; Ministry of Natural Resources and Forestry; and Ontario Power Generation. This meeting will look for your initial feedback and input ahead of our next Public Information Centre, anticipated for early Spring 2021.

SNFWWS - Design Concept Review

Tue, Jan 19, 2021 1:00 PM - 3:30 PM (EST)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/261552037>

You can also dial in using your phone.

Canada: [+1 \(647\) 497-9373](tel:+16474979373)

Access Code: 261-552-037

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/261552037>

Danielle MacKinnon - GM BluePlan

From: Matthew Fisher - GM BluePlan
Sent: Thursday, February 18, 2021 11:04 AM
To: kent.keeler@opg.com; joann.kinnear@opg.com
Cc: ke.jones@opg.com; meredith.crouch@opg.com; alison.bradley@opg.com; Vespi, Lisa; Anema, Jade; Chris Hamel - GM BluePlan; Robert Fleeton; Danielle MacKinnon - GM BluePlan
Subject: Proposed Tunnelled Trunk Sewer Alignment - South Niagara Falls Wastewater Solutions EA
Attachments: 718002-210218-FIG-Pr. SNFWWS Trunk Sewer at OPG Lands-e01.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Hi Kent and Joann,

I'm emailing with an update on our trunk sewer design for the South Niagara Falls WWTP. We have a preferred alignment now that we would like to review further with your group. There is a section of proposed sewer that we are showing crossing through OPG Lands. The proposed sewer running from the Region's South Side SPS, is shown conveying flows west through OPG Lands, and crossing Oakwood Drive/QEW to Montrose Road.

For your review and reference, please find attached a PDF file showing the overall proposed sewer alignment as well as a blow-up of the sewer section through OPG lands.

If you are interested in any further detail ahead of a meeting, our plan and profile drawings are available for download through the links below. We have also submitted these drawings to the City of Niagara Falls, MTO and Utilities.

PDF sheets showing the conceptual design are available for download here:

[https://sendafile.gmblueplan.ca/public_uploads/2021-02-04_154559_718002-210204-DWG-SNFWWS Sewer Concept P&P \(Prelim to MTO+Utilities\)-e01.pdf](https://sendafile.gmblueplan.ca/public_uploads/2021-02-04_154559_718002-210204-DWG-SNFWWS_Sewer_Concept_P&P_(Prelim_to_MTO+Utilities)-e01.pdf)
(38 MB)

Our latest Civil 3D drawings are available for downloaded here:

[https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_231332_718002-210203-C3D-Pr. Montrose Sewer-eTransmit-e01.zip](https://sendafile.gmblueplan.ca/public_uploads/2021-02-03_231332_718002-210203-C3D-Pr._Montrose_Sewer-eTransmit-e01.zip)
(126 MB)

Thanks,

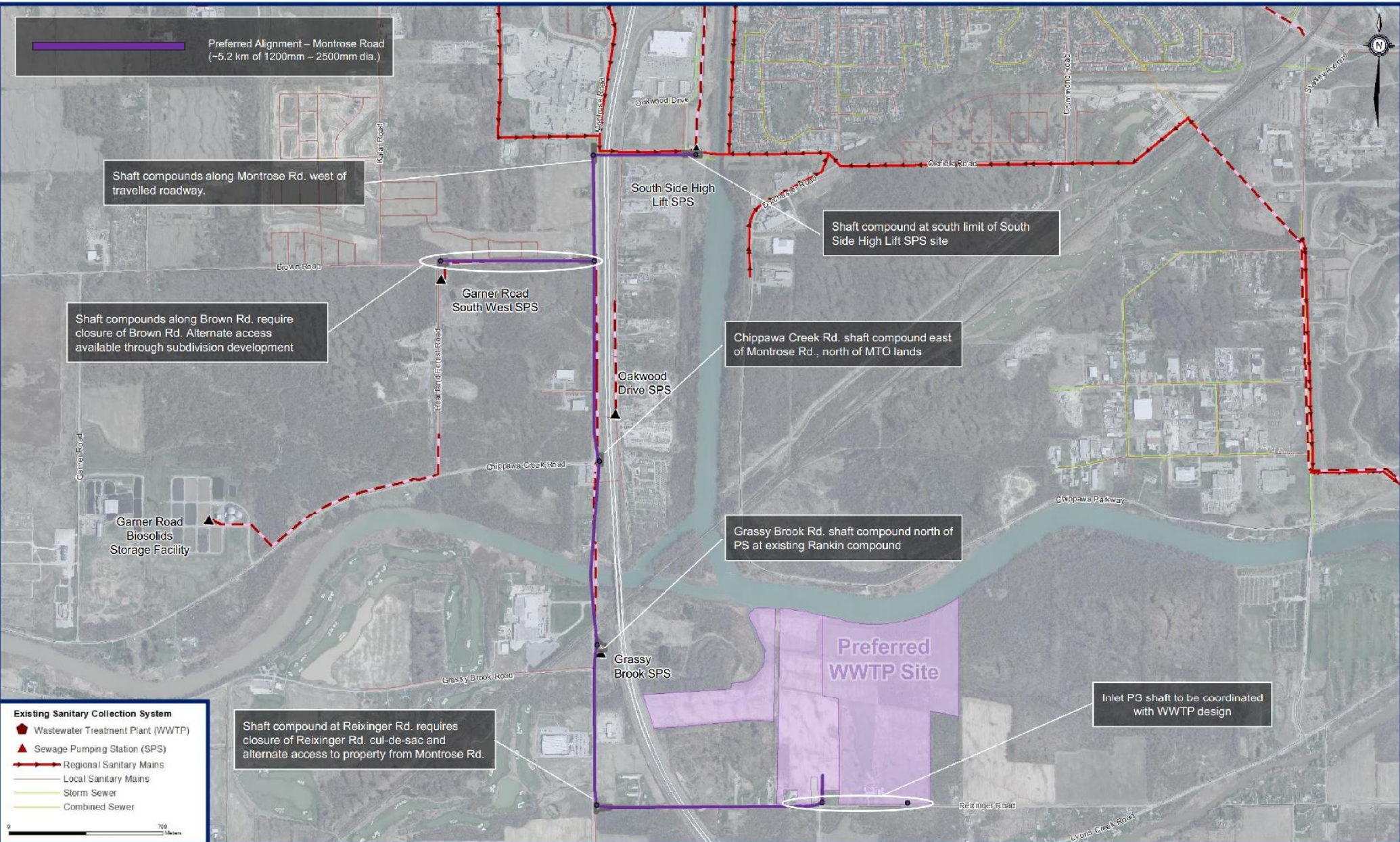
Matt

Matthew Fisher, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

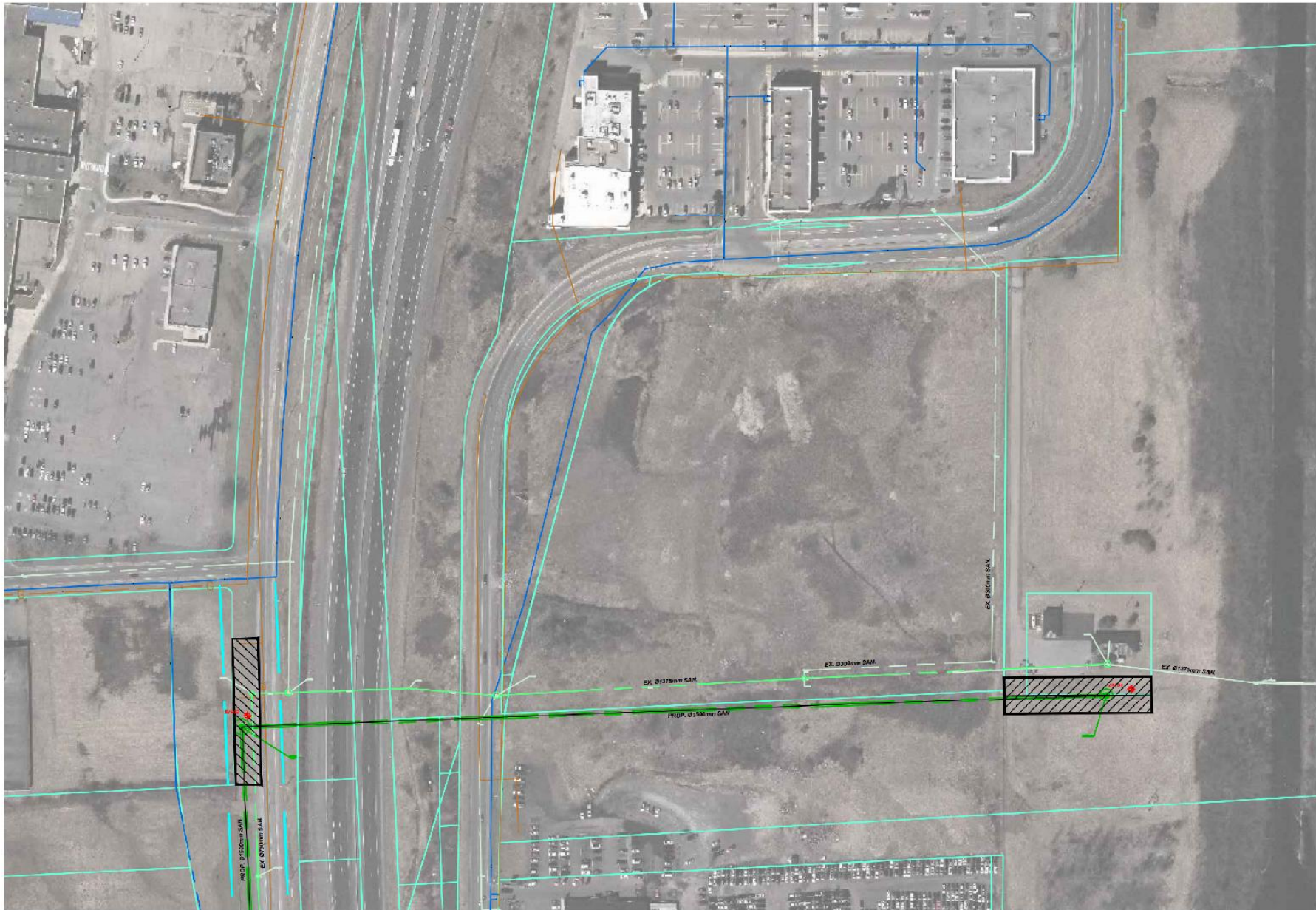
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7203 | c: 416.459.5135
matthew.fisher@gmblueplan.ca | www.gmblueplan.ca










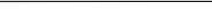



Montrose Road Tunnelled Sewer Alignment

South Niagara Falls Wastewater Solutions Schedule C Class Environmental Assessment



LEGEND

	PROPOSED SEWER TRUNK 1
	EXISTING SANITARY
	EXISTING FORCEMAIN
	EXISTING WATERMAIN
	EXISTING BELL/CABLE
	EXISTING GAS
	EXISTING PROPERTY LINE
	PROPOSED ROAD WIDENING
	CONSTRUCTION COMPOUND AREA

**PROPOSED SEWER ALIGNMENT
AT SOUTH SIDE HIGH LIFT SPS**

DATE: FEBRUARY 2021
PAGE: SK1 - CONCEPTUAL DESIGN

V4.8.7

REGIONAL MUNICIPALITY OF NIAGARA
SOUTH NIAGARA FALLS WASTEWATER SOLUTIONS

Consultation Records

Public Inquiries

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Thursday, March 14, 2019 10:40 PM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: FYI

Danielle,

Please add to the tracking list - I don't think this resident ever called me

Thank you,
Lisa

From: Dunsmore, Susan <Susan.Dunsmore@niagararegion.ca>
Sent: Thursday, May 10, 2018 10:51 AM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: FYI

Hi Lisa,

There is gentleman who owns property at the NE corner of Montrose Road and Lyons Creek road – [REDACTED]
[REDACTED]

He is interested in the process and proposed location for the new south Niagara WWTP. I have let him know that you are at the start of the process and the location has not been determined.

I provided him with your name so you could provide more details so I am sure you will receive a call from him in the near future.

Thanks
Susan

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Danielle MacKinnon - GM BluePlan

From: Chris Campbell - GM BluePlan
Sent: Friday, March 15, 2019 2:50 PM
To: Danielle MacKinnon - GM BluePlan
Subject: FW: Niagara Falls sewage pool.

Chris Campbell, MTP, MCIP, RPP, MRTPI
Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: Chris Campbell - GM BluePlan
Sent: Friday, March 15, 2019 2:49 PM
To: [REDACTED]
Cc: 'Vespi, Lisa' <Lisa.Vespi@niagararegion.ca>; Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: FW: Niagara Falls sewage pool.

Dear [REDACTED]

Thank you for your email. We acknowledge receipt of your comments. We will review your comments with the Region and will respond accordingly within the next two weeks.

Kind regards,

Chris Campbell, MTP, MCIP, RPP, MRTPI
Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: [REDACTED]
Sent: Monday, March 11, 2019 3:54 AM
To: Steve Conway - GM BluePlan <Steve.Conway@gmblueplan.ca>
Cc: [REDACTED]
Subject: Niagara Falls sewage pool.

Dear Steve, Your contract to do engineering for the new South Niagara Sewage Treatment Plant, is supposed to enable the shutdown a sewage lagoon located in Niagara Falls , scheduled to be closed 2004 according to Region of Niagara promises to the OMB 1980, held in Niagara Falls. This very shallow pond was a temporary solution to stop raw sewage polluting the Black Creek and Niagara River, The service was to take care of maximum 2,750 residents, OMB Judge A.J Chapman decreed that no extensions allowed period. since the pond was not closed as promised, nobody obeying the order, we now have 4000 people attached to system plus they illegally added an amusement park Safari Niagara many days 7,500 people attend functions sometimes, 3000 every week end of the season, many factories have been added an unknown number , as the workers are not a fixed number all this untreated sewage is dumped into the drinking water of 90,000 residents of Niagara Falls.we expect your inclusion of this lagoon situation to be rectified by your contract. [REDACTED] Chair person CAUSE , Citizens Against Unsanitary Sewage Effluent.

Danielle MacKinnon - GM BluePlan

From: Chris Hamel - GM BluePlan
Sent: Friday, March 29, 2019 9:05 AM
To: [REDACTED]
Cc: Vespi, Lisa; Chris Campbell - GM BluePlan; Danielle MacKinnon - GM BluePlan
Subject: RE: Niagara Falls sewage pool.

Dear [REDACTED],

Thank you for your email dated March 11, 2019 noted below.

I am the consultant project manager for the South Niagara Falls Wastewater Solutions study. I have reached out and discussed your email with the Niagara Region project manager Lisa Vespi.

We are currently in the project initiation phase of the South Niagara Falls Wastewater Solutions Schedule 'C' Class Environmental Assessment (EA). This Class EA will be taking a holistic approach to improve wastewater systems in the area. The focus of the study is to plan infrastructure needed to support the growth and investment in South Niagara including areas in Niagara Falls and Thorold South. The needed infrastructure includes the construction of a new wastewater treatment plant in South Niagara Falls to balance the needs of growth with the protection and preservation of natural and heritage resources.

We have interpreted your email to refer to the existing Stevensville and Douglastown Lagoons and appreciate your comments. Please note that the Lagoons are not within the Study Area of this Class EA. Long term recommendations regarding the lagoon facilities were addressed in the 2017 Niagara Region Water and Wastewater Master Plan Update.

The lagoons will not be considered under this study. However, any questions related to the Lagoons can be addressed to Shahab Shafai, Associate Director of Wastewater Operations for Niagara Region (shahab.shafai@niagararegion.ca).

Please advise if you still wish for your contact information to be added to the project mailing list for the South Niagara Falls Wastewater Solutions Class EA Study.

Sincerely,

Chris Hamel, P.Eng.
President

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan, ON L4K 4M3
t: 416.703.0667 | c: 416.577.2500
chris.hamel@gmblueplan.ca | www.gmblueplan.ca



From: Chris Campbell - GM BluePlan
Sent: Friday, March 15, 2019 2:49 PM
To: [REDACTED]
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>
Subject: FW: Niagara Falls sewage pool.

Dear [REDACTED]

Thank you for your email. We acknowledge receipt of your comments. We will review your comments with the Region and will respond accordingly within the next two weeks.

Kind regards,

Chris Campbell, MTP, MCIP, RPP, MRTPI
Infrastructure Planning, Partner

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.703.0667 ext. 7204 | c: 289.388.7499
chris.campbell@gmblueplan.ca | www.gmblueplan.ca



From: [REDACTED]
Sent: Monday, March 11, 2019 3:54 AM
To: Steve Conway - GM BluePlan <Steve.Conway@gmblueplan.ca>
Cc: [REDACTED]
Subject: Niagara Falls sewage pool.

Dear Steve, Your contract to do engineering for the new South Niagara Sewage Treatment Plant, is supposed to enable the shutdown a sewage lagoon located in Niagara Falls , scheduled to be closed 2004 according to Region of Niagara promises to the OMB 1980, held in Niagara Falls. This very shallow pond was a temporary solution to stop raw sewage polluting the Black Creek and Niagara River, The service was to take care of maximum 2,750 residents, OMB Judge A.J Chapman decreed that no extensions allowed period. since the pond was not closed as promised, nobody obeying the order, we now have 4000 people attached to system plus they illegally added an amusement park Safari Niagara many days 7,500 people attend functions sometimes, 3000 every week end of the season, many factories have been added an unknown number , as the workers are not a fixed number all this untreated sewage is dumped into the drinking water of 90,000 residents of Niagara Falls.we expect your inclusion of this lagoon situation to be rectified by your contract. [REDACTED] Chair person CAUSE , Citizens Against Unsanitary Sewage Effluent.

Danielle MacKinnon - GM BluePlan

Subject: FW: Changes for Niagara?

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Friday, July 19, 2019 11:33 AM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Cc: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Subject: FW: Changes for Niagara?

From: [REDACTED]
Sent: Thursday, July 18, 2019 8:50 PM
To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Cc: [REDACTED]
Subject: Re: Changes for Niagara?

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

From: [REDACTED]
To: letters <letters@niagaradailies.com>
Cc: [REDACTED]
Sent: Thu, Jul 18, 2019 8:45 pm
Subject: Changes for Niagara?

Dear Editor, A recent open house meeting May 28 2019 , we learned that Niagara Region is seriously working on plans for a new Sewage Treatment Plant, that will service our hospital and the thousands of new homes envisioned to be built in the near future. this new sewage plant will take a lot of pressure of the lone plant located North Stanley Avenue, designed for a much smaller population . Our group is exited at this timely news, and fully support Regions efforts to keep sewage effluent out of our waterways, We should also decommission the no longer safe Sewage Lagoon (Cess Pool) which is terribly overloaded , dumping effluent into the Niagara River just above the Chippawa Water Treatment Plant, the money saved from shutting down the Willoughby located pool , will help pay for the new Sewage Treatment Plant that is now under consideration, this will be a double win for the 90,000 residents of Niagara Falls. [REDACTED] Chairperson for CAUSE,(Citizens Against Unsanitary Sewage Effluent.) [REDACTED]

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August 9, 2019



Dear [REDACTED],

We have received your letter dated June 27, 2019 regarding the Stevensville-Douglastown Lagoons. We note and appreciate that your letter provides support for our plans for a new wastewater treatment plant in South Niagara Falls and our ongoing efforts to protect the environment by reducing combined sewer overflows going into our waterways. We note that this, as well as your other correspondence from 2017 during the Region's Water and Wastewater Master Servicing Plan Update (MSP), highlights concern regarding the Stevensville-Douglastown Lagoons ("the lagoons") and requests decommissioning of this facility.

We are aware of your concerns, as well, we are aware of the rejection of a previous appeal to the Ontario Municipal Board in 2017 for this same matter. We have consulted extensively with the Ministry of Environment, Conservation and Parks (MECP) on this issue throughout 2017 to 2019. The Region is not considering the decommissioning of the lagoons at this time or for the foreseeable future. The lagoons are operated in accordance with the Environmental Compliance Approval (ECA) requirements from the MECP and have sufficient capacity to meet future growth projections in the area.

Future Planning

In 2017, the Region completed the MSP. It was an in-depth, comprehensive Class Environmental Assessment process that provides direction on how we operate our systems and facilities now, and presents the plan for future infrastructure and direction how to operate and deliver water and wastewater services in the future for Niagara Region, factoring in projected growth.

Based on the MSP, the lagoons and wastewater collection system services an existing population of 3,421 and 439 employees. Based on flow projections in the MSP, the lagoons will have sufficient capacity to support growth to 2041 and beyond. The future area to be serviced by the lagoons and wastewater collection system is anticipated to have only limited residential and employment growth consisting primarily of infill development within the existing urban boundary. In fact, even with additional flows from future growth, the lagoons will have surplus capacity and it will not reach the 80% capacity limit that would trigger an upgrade. As we move forward, the development activity and system flows to the lagoons will be continually monitored. Prior to allowing any major connections or new development on the system that would convey flows to the lagoons, the Town of Fort Erie receives input from the Region's Planning Department and Water and Wastewater Services (engineering, operations and quality and compliance) Department.

Existing Lagoons Performance

The lagoons were constructed in 1982 and continue to operate effectively.

The Region reports the annual and daily performance of the lagoons to the MECP. The rated capacity of the lagoons is 2,289 m³/day. The five year average flow to the lagoon is 1,409 m³/day. The Region achieves its mandated compliance limits for the treated effluent from the lagoons, specifically CBOD, TSS and TP, and is required to report values to the MECP for both daily averages and annual averages. Based on the annual average for various parameters, the Region has met compliance every year since 2010, which was the first year of electronic records.

In addition, there have been no reported odour complaints, according to Wastewater Treatment Plant Incident Reporting as well as review of all annual reports from 2010 to 2018.

As part of the strategy to maintain the lagoons in service moving forward, the Region is now preparing for sustainability upgrades which include rehabilitation of the lagoon banks, cleanout of sediment from the lagoons, and replacement of the chemical system. This will help to ensure the lagoons continue to operate effectively and to ensure the rated capacity and requirements of the MECP ECA are being met and will continue to be met into the future. Design for these upgrades are currently underway and construction is anticipated for 2020.

Consideration of Alternatives

The MSP reviewed alternatives for managing and treating flows from Stevensville-Douglastown, the preferred alternative as stated in MSP, Volume IV, Section G.5 is to maintain the lagoons rather than decommissioning them and sending flows to the new South Niagara Falls WWTP.

Decommissioning the lagoons and sending flows to the new WWTP would result in the following capital and operational challenges:

- (a) It would mean a generally low flow rate relative to the forcemain length and volume, which would mean significant operational challenges and increase costs.
- (b) Construction costs would be high due to distance and potential additional design considerations to address operational challenges.

We are committed to using development and taxpayers' dollars wisely. In this case, the operational and capital considerations required to decommission the lagoons and send flows to the new plant are far too significant and not warranted given that the lagoons are in compliance with the MECP ECA requirements. Plus the lagoons have enough capacity to accommodate growth in the area.

Closing

We look forward to the many benefits that the new South Niagara Falls Wastewater Treatment Plant and overall system improvements will bring to our region and to our environmental protection efforts.

We are willing to provide you any updates regarding the sustainability work set for the lagoons as well as for the South Niagara Falls Wastewater Solutions. However, we consider discussion regarding decommissioning the lagoons concluded.

Yours truly,



Ron Tripp, P.Eng.
Acting Chief Administrative Officer



Chris Hamel, P.Eng.
Project Manager, GM BluePlan Engineering Ltd.

cc: Jim Bradley, Regional Chair, Niagara Region
Mayor Redekop and Members of Council, Town of Fort Erie
Mayor Diodati and Members of Council, City of Niagara Falls
Tim Rigby, Chair Public Works Committee, Niagara Region
Kelly Edgar, Vice-Chair Public Works Committee, Niagara Region
Tom Insinna, Regional Councillor, Fort Erie
Barbara Greenwood, Regional Councillor, Niagara Falls
Bob Gale, Regional Councillor, Niagara Falls
Peter Nicholson, Regional Councillor, Niagara Falls
Wayne Gates, MPP, Niagara Falls
Tom Kuchyt, CAO, Town of Fort Erie
Ken Todd, CAO, City of Niagara Falls
Sylvain Campbell, Drinking Water Inspector, Ministry of Environment,
Conservation and Parks, Niagara District Office

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Friday, September 20, 2019 1:03 PM
To: pals@becon.org
Cc: [REDACTED] New
Subject: Treatment Plant; Danielle MacKinnon - GM BluePlan
RE: Have Treatment Plan South of Welland River

Hi [REDACTED],

Thank you for the information. We are in the process of gathering all relevant information that will inform us on a suitable evaluation criteria for choosing a preferred plant site, the preferred plant outfall location and the sewer system routing of the new plant.

We will be hosting another PIC in November, where we will outline the evaluation process and criteria as well as present the opportunities and constraints within the study area and for a long list of potential sites.

Would you like to be added to our mailing list for the project?

Thank you,
Lisa

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

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Wednesday, September 11, 2019 2:30 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: FW: Have Treatment Plan South of Welland River

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

From: [REDACTED]
Sent: Wednesday, September 11, 2019 12:13 PM
To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>; [REDACTED]
Subject: Re: Have Treatment Plan South of Welland River

Again, quite clear and informative [REDACTED]
[REDACTED]

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

From: [REDACTED]
Sent: Wednesday, September 11, 2019 12:10 PM
To: NewTreatmentPlant@niagararegion.ca; [REDACTED]
Subject: Have Treatment Plan South of Welland River

I am writing in support of having the proposed new sewage treatment plant being located south of the Welland River. One of the reasons for my coming to this conclusion was my participation over a decade regarding a proposed urban boundary expansion in Niagara Falls in the watershed of the Ten Mile Creek. One of the factors in this decision was the

high quality of the agricultural land north of the Welland River, in contrast to the heavier clay soils to the south. Research for the hearing also brought up that there is an extensive area within the urban boundary of Niagara Falls, west of the historic village of Chippawa which for decades has been undeveloped only because of the problem of servicing constraints. Having a sewage treatment plant south of the Niagara River here would appropriately facilitate development here. It would also assist in development of a large area owned by the Veddick lands development group, which being without any forest cover, does not have any negative environmental constraints. This is quite unlike the situation north of the Welland River, where development would impact lands associated with the Provincially Significant Niagara Falls Slough Forest Wetland Complex.

Many thanks,

[REDACTED]

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Danielle MacKinnon - GM BluePlan

Subject: FW: Online Form - Enquiry from Region website

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>

Sent: Friday, December 6, 2019 4:11 PM

To: [REDACTED]

Cc: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>; Chris Hamel - GM BluePlan <chris.hamel@gmblueplan.ca>

Subject: RE: Online Form - Enquiry from Region website

Hi [REDACTED],

Thank you for your interest in the project.

This Class Environmental Assessment was a recommendation from the 2016 Water and Wastewater Master Servicing Plan. The rationale to locate this facility in South Niagara Falls was adopted by Regional Council in June 2017. This phase of the project commenced in 2018.

The Project team is currently working on the alternatives development and evaluation to determine the preferred plant location as well as the plant discharge location and connecting sewer network strategy. The evaluation will consider social, environmental, legal/jurisdictional, technical and financial impacts. Information gathered from extensive field, environmental, water quality and flow condition studies related to sites and the Welland River, Chippawa Creek and OPG hydro canal will be used in our evaluation.

The information that you have requested can be found on the project website (link below). You might be most interested in the information presented at public information centre #1 and #2. Specifically, poster board #4 from PIC #1 entitled "Key Objectives of the Study" as well as the poster boards #7 to 10 presented at PIC # 2. These boards provide additional information related to the evaluation approach for selecting the preferred alternative. As well, you will be able to view the long-list of alternative sites. We have not yet selected the preferred alternative but plan to present this in winter 2020.

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>

With respect to concerns about potential odours, experience shows that a well designed and well operated facility that incorporates appropriate technology, will not create nuisance odours. However, understanding that this is a potential concern from the public, we have still considered this in our social and cultural impacts evaluation criteria.

I trust this information satisfies your concerns. Please feel free to reach out if you need any additional information.

Also, please let us know if you are interested in being added to our mailing list to receive future project communications.

Thank you,
Lisa

From: Niagara Region Website <webmaster@niagararegion.ca>
Sent: Tuesday, November 19, 2019 11:11 PM
To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Cc: webincoming <webincoming@niagararegion.ca>
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

██████████

phone

██████████

email

████████████████████

municipality

Niagara Falls

other mun

subject

South Niagara Falls Wastewater Treatment Plant

comments

I see where you want to put a sewage treatment plant in the south end of Niagara Falls . We all know those plants stink like hell . I have a friend in NFNY who can smell that compost yard on Garner Rd on Portage Rd in NFNY . The only place I can see where the plant is going to put the treated sewage is in the Welland River , which will take it to the Hydro canal and this great smelling water will right through the residential area of NF all the way to the lower Niagara River . Hydro is in control of the Welland River , so have you revoked their permission , as Marineland couldn't get it . The market value of all houses east of this plant will drop drastically . The sewage can't be put in the upper Niagara River as the water treatment plant is beside the Nia, River . Please forward me your full plans for this plant and yhe exact location . ██████████

reply
yes

Page Referrer

https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx?utm_source=thoroldnews.com&utm_campaign=thoroldnews.com&utm_medium=referral



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Monday, March 16, 2020 2:40 PM
To: Danielle MacKinnon - GM BluePlan
Cc: New Treatment Plant; Chris Hamel - GM BluePlan
Subject: SNF WW - PIC #3 - [REDACTED] Correspondence
Attachments: 2020-03-11_[REDACTED]_Letter & Attachments.pdf; 2020-03-11_[REDACTED]_Response.pdf

Hi Danielle,

Please find attached the material that I received from [REDACTED] at PIC #3. This is for file only as I hand delivered him the attached letter which captures the same topic.

Can you please have Chris H sign the letter for my file as I gave the original to [REDACTED] at the PIC.

Thanks,

Lisa Vespi, P.Eng., PMP
Senior Project Manager, Water and Wastewater Services
Niagara Region
Phone: 905-980-6000 ext. 3640
www.niagararegion.ca

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the large area of "village residential" shown between Stevensville and Douglastown in the draft plan was deleted by the Minister before approval. The Fort Erie plan contains very little discussion of the constraints of the servicing system but does state:

"it shall be the policy of the Council to recommend ... for approval a draft plan of subdivision intended for residential purposes in any Residential area only if such plan of subdivision ... can be provided with adequate utilities and services as required by this plan...."

The majority of the future residential lands indicated in the Fort Erie Official Plan in the Stevensville and Douglastown areas are actually designated "Deferred Residential". Such areas are mainly limited to rural and agricultural uses and the Plan states:

"it is intended that this category will include lands which by reason of their location and other factors are suitable for residential development but which are not required at present to be designated for residential development because of limited demand and/or lack of full services."

Population and Development Capacity

We have just completed a detailed review of the population potential and the servicing capacity requirements in the Stevensville-Douglastown area. We have attempted to use an approach consistent with the recommendation in report DE-3322 mentioned above.

The "minimum areas" which should be considered for connection to the sewage lagoon are:

<u>Area</u>	<u>Estimated Population Capacity</u>
1. Existing Douglastown development	270
2. Existing Stevensville development	610
3. Vacant Registered Lots in Douglastown	200
4. Vacant Registered Lots in Stevensville	110

5. Existing Strip Development South of Stevensville to Bowen Road	100
6. Allowance for Industrial De- velopment	-
	<hr/>
Sub-Total	1,290

The minimum areas listed above include all the existing population of Stevensville and Douglastown plus the estimated population due to residential development on all the existing registered lots (according to detailed maps recently obtained from the Assessment Branch plus a recent field survey). We have also included a strip of existing residential development south of Stevensville to Bowen Road which will front on the proposed sewer line and which may have existing health problems. There are also some optional areas which could be serviced if the sewage lagoon had sufficient capacity. These are:

7. Infilling along existing streets in Douglastown (in addition to existing lots)	150
8. Infilling along existing streets in Stevensville (in addition to existing lots)	140
9. Infilling within the strip de- velopment south of Stevensville to Bowen Road (not supported by Fort Erie Official Plan or by Regional Planning staff)	110
10. Snyder (not proposed at this time)	60
11. Vacant Interior blocks of potential residential land in the Stevensville and Douglastown neighbourhoods (amounting to about 150 and 200 acres respectively)	5,000
12. Service to commercial-industrial lands	-

Conclusion

After our careful check of existing and potential population, it is our opinion that the estimate of 1,563 persons as the design population for this lagoon is reasonably generous and that it gives a greater opportunity for allowing some infilling and additional development than originally expected. This is fortunate, and should be particularly pleasing for Fort Erie representatives.

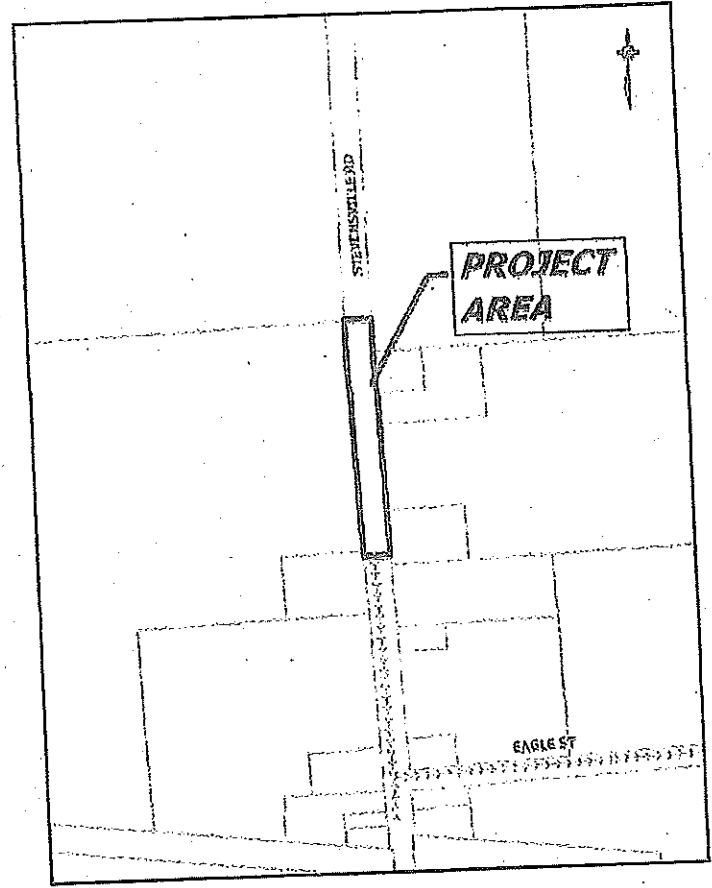
SAFARI NIAGARA MUSEUM SYSTEM 2017
ADDED ILLEGALLY

INSISTENT
Tel: 905-871-1600 | Fax: 905-871-4020
1 Municipal Centre Drive
Fort Erie, ON L2A 2S6

NOTICE OF MUNICIPAL WORKS

CONSTRUCTION CONTRACT NO. ISE-16T-SRSE16
STEVENSVILLE ROAD SANITARY SEWER EXTENSION

Please be advised that construction activity is planned to start for the 112 m extension of municipal sanitary sewer along Stevensville Road. The sewer extension is required to provide sewer service for lands within the existing urban area boundary but without sewer frontage. The project duration is expected to be from November 21 until December 23, with final reinstatement works being completed in the spring. This section of Stevensville Road will be subject to periodic lane restrictions during the work.



If you have questions or concerns about the project, please contact:

Jason Schooley, P.Eng.
Upper Canada Planning
& Engineering Ltd.
261 Martindale Road, Unit 1,
St. Catharines, Ontario, L2W 1A1
Tel: (905) 688-9400 x226
Mob: (905) 651-2616
Fax: (905) 688-5274

or **Robert D. Judd, P.Eng.**
Municipal Engineer - Infrastructure Renewal
Infrastructure Services, Engineering Division
The Town of Fort Erie
1 Municipal Centre Drive
Fort Erie, Ontario, Canada L2A 2S6
Phone (905)871-1600, EXT 2412
Fax (905)871-6411
E-mail: rjudd@forterie.ca

MAYOR REDBROOK
DEFIANCE OF AN OMB
ORDER 1980 FORBIDDING
EXTENSIONS

Unusual bacteria thriving near lakes

A little-known organism that could be a health hazard has been found in large quantities in sewage lagoons near recreational lakes in Southern Ontario.

The bacterium, called *Yersinia enterocolitica*, is probably linked to human infections such as gastroenteritis, which causes vomiting and diarrhea, according to a draft version of a study being prepared for Ontario's Environment Ministry. Concentrations of up to 100,000 organisms in 100 millilitres of water were found in four sewage lagoon systems tested up to August, 1979.

Tests of lake water in the Muskoka-Haliburton region showed much lower concentrations of the microbe — two to 500 organisms in 100 ml of water in tests done between February and April, and lower again in warmer months.

However, the report's author expressed concern about the practice of draining sewage water into the lakes during colder months because *Yersinia* thrives in cold, deep water.

The relationship of the microbe to water temperature is especially important, the study says, "since many lakeshore residents draw their household water supplies from the deeper, colder levels of lakes."

Sewage lagoons at Bracebridge, Huntsville, Port Sydney and Haliburton were studied as well as 29 lakes and rivers.

Larry Vlassoff of the ministry's microbiology division stressed that this was not a final report and said the ministry considered *Yersinia* to be "at the lower end of the scale of problem organisms." The practice of draining effluents into lakes is not a problem, he said in an interview; because the sewage water from Muskoka lagoons is now treated with chlorine and that will eliminate *Yersinia*.

However, Don Maitland, a spokesman for the ministry's Gravenhurst office, said lagoon water is treated with chlorine only when a lagoon becomes too full in the summer and an extra runoff is necessary. He said the Bracebridge lagoons discharge water treated with alum, which removes phosphate, twice in the winter and twice in the spring.

Mr. Vlassoff said if *Yersinia* posed a health risk many cases of illness related to it would be reported. He said checks of Muskoka-Haliburton hospitals didn't yield incidences of such outbreaks.

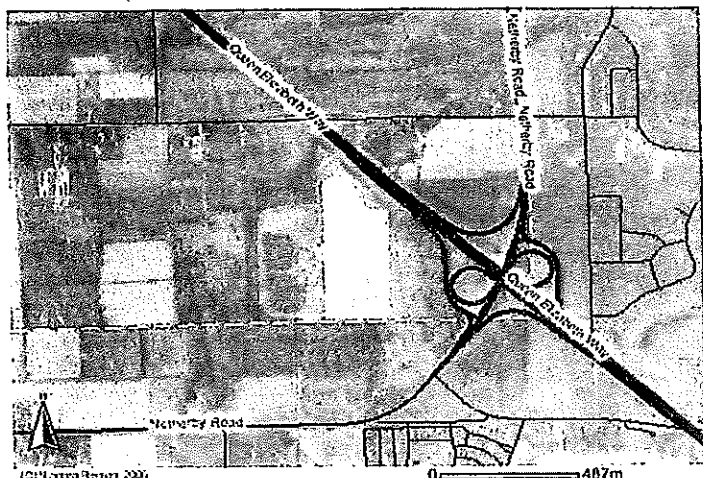
However, the report says, one of the problems with detecting *Yersinia*-related illnesses is that doctors are not familiar with the organism and many diagnostic laboratories don't test for this newly discovered microbe or wouldn't recognize it.

The study found *Yersinia* densities upstream of the Ontario Pioneer Camps' lagoon system near Port Carling of 200 per 100 ml of water, while immediately downstream of the lagoon they were 1,800 and 30,000 in two analyses.

The study suggests a link between lagoon seepage or nutrients in the lagoon and *Yersinia* in streams or drainage ponds nearby. However, Mr. Vlassoff said the relation was too vague and changes would be made to references to seepage in the final report.

YERSINIA





STEVENSVILLE/ DOUGLASTOWN SEWAGE TREATMENT LAGOON

In Niagara Region, a treatment lagoon is a man-made pond where sewage is stored and undergoes natural decomposition. Most lagoons are built in rural areas due to low population numbers. The Stevensville/Douglastown Lagoon provides wastewater treatment services for the communities of Stevensville and Douglastown. The lagoon is located northwest of the intersection of Netherby Road and the Queen Elizabeth Way. It is an unmanned facility and it is operated by licensed operators at the Fort Erie Wastewater Treatment Plant (WWTP). There are three pumping stations that convey the sewage to the lagoon. If odour complaints are received they are recorded and corrective action is taken by staff from the Fort Erie WWTP.

The process consists of 2 cells operating in series. Cell #1, covering an area of 11.23 acres, is split by a hanging curtain to provide an aeration section and a facultative (anaerobic or without air) section. Ferric chloride is added to the aerated side for phosphorous removal. Cell #2, covering 12.9 acres, is facultative only. Treated effluent is pumped to the Niagara River.

2005 Overview

Population Served:	2,000 (approx.)
Total Design Capacity:	2.2 million litres
Utilization:	45% of total design capacity
Average Daily Flow:	1.131 million litres/day
Total Amount of Sewage:	412 million litres treated in 2005

The Stevensville/Douglastown Lagoon provided effective sewage treatment for the 2005 operating year meeting all Certificate of Approval compliance and performance objectives. *

OMB hearing approves lagoon

By Beth Swinimer
Staff Reporter

Despite objections by nearby residents, Niagara Falls city by-law allowing for a waste stabilization pond (lagoon) was approved during an Ontario Municipal Board hearing last week.

The hearing, which began Sept. 29, in Niagara Falls city council chambers, fell one day short of its five-day scheduling, with A.J. Chapman, chairman of the two-man board, bringing in his decision Thursday.

Local lawyer Greg Parker, representing members of the group, Citizens Against Unsanitary Sewage Effluent (CAUSE), major objectors to the lagoon, had earlier predicted the hearing would not be completed during the five days set aside by the board.

The hearing was originally to be seven days.

Mr. Parker said the chairman was very aware of the need of technical evidence brought in during the hearing, and tried to allay the fears of the objectors when giving the board's decision.

He feels the hearing has caused the region to research the whole lagoon issue extensively and to provide a scientifically expert system.

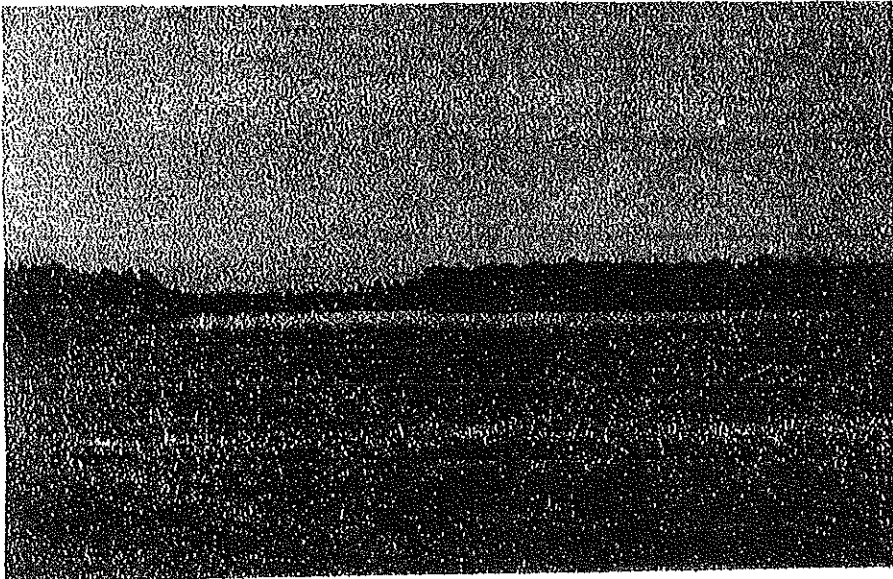
Mr. Parker also said the chairman agreed with members of CAUSE on the urgent need to clean up Black Creek and protect it against further contamination by sewage, a major concern of the residents.

Mayor Stella Ziff said the Town will now proceed with the designing of the collector sewage system for the proposed site as a result of this hearing decision.

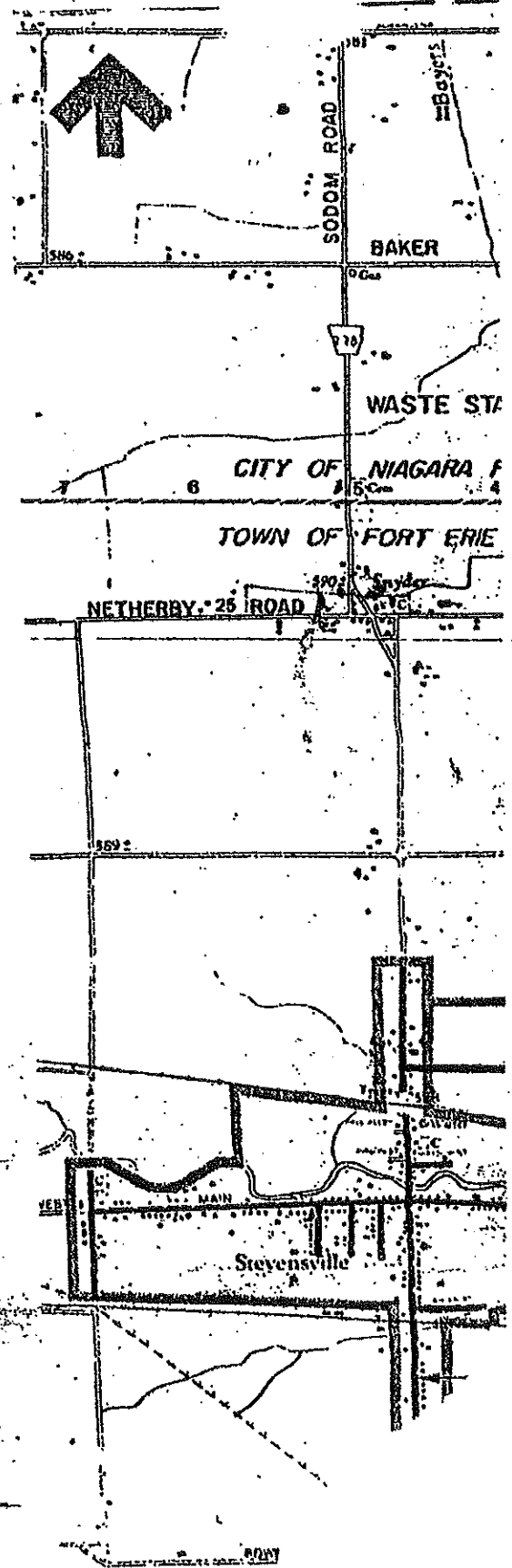
The lagoon is to be located in an excavation pit at the Netherby Road and Queen Elizabeth interchange.

Further discussion on the issues surrounding the lagoon and this hearing's potential effects will take place at the Regional level during a public works meeting Oct. 9, Mayor Ziff said.

An environmental hearing is required according to the regulations stipulated by the former Ontario Water Resources Commission, but no date has been set for such a hearing.



Q.E.W. view



Lagoon stiffly opposed

FORT ERIE — Final approval of the Stevensville-Douglastown sewage lagoon by Jean Douglas, who lives a mile from Black Creek on Niagara River, will continue to be bottled water.

"I wouldn't cook anything in water from the Niagara River," said Mrs. Douglas, who has opposed construction of the lagoon throughout the hearing process.

Mrs. Douglas said she doesn't know how she will be personally affected by the lagoon, but she will continue to buy her water in five-gallon bottles at a cost of about \$300 a year.

Mrs. Douglas said the private citizens who opposed the construction of the lagoon were at a disadvantage from the beginning.

During the Ontario Municipal Board hearings held last year, Niagara Region and the province brought in a large number of expert witnesses. The opponents to the project just can't

afford such expert counsel, she said.

In addition, she contended, the Region is more concerned about Fort Erie, Ridgeway and Crystal Beach.

"The Region doesn't care about this area," she said, adding the pollution problem there has been known about for years.

The decision by the approvals branch of the ministry was postponed several times as more information about the proposed lagoon was gathered. That didn't bother Mrs. Douglas.

"The only encouragement (from the approvals branch) is that they did not rush it through," she said.

Constance Jardine, who lives less than a mile away from the lagoon site, says she and her husband will be directly affected if the lagoon has problems because they live downwind from it.

She said those who opposed

the lagoon had hoped for a "more up-to-date" facility. The regulations on what can be placed in the Niagara River will be tightened in the future she contended. "Why not meet that situation now?"

She also said money was an important factor in the result of the hearing.

"You don't have much chance with the powers that be," she said.

Another concern is the possibility of an industry using the lagoon to get rid of chemicals it was not designed to accommodate.

A woman from the area who did not want to be identified said she is concerned about who is going to monitor the lagoon's operation.

The provincial environmental assessment board recommended in February that the lagoon should be approved with two conditions.

The conditions set down by the board were that it be lined with

clay or an artificial membrane and that ground and water be monitored.

Tom Cross, a director of approvals branch of the ministry of environment, said the certificate for the

million lagoon was approved on the condition that a survey of wells and surface water in the area be carried out by the ministry and Niagara Region.

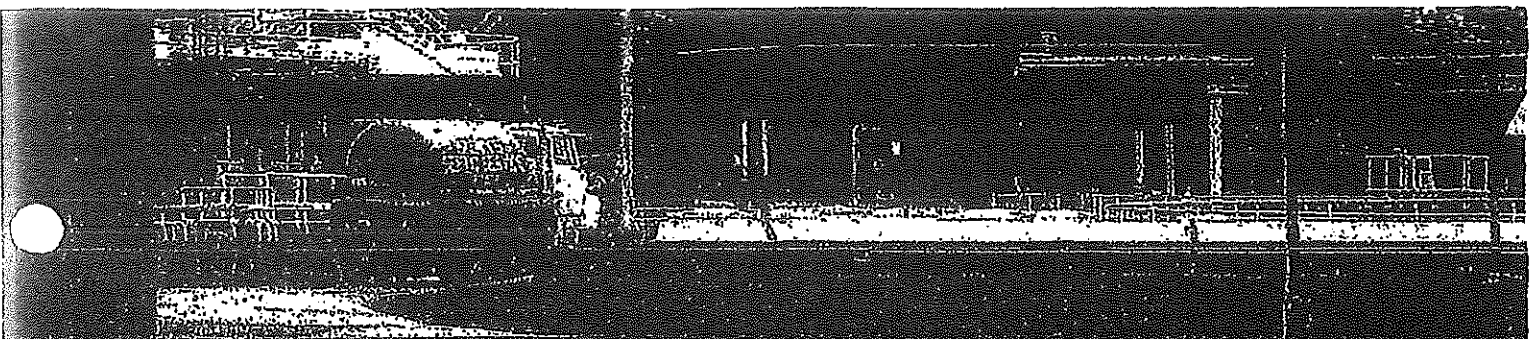
Mr. Cross said the study will determine what affects the lagoon has on quality in the area and at Niagara River.

Construction of the lagoon and the design of it take into the river will result in an overall improvement in water quality in the Stevensville-Douglastown area and in Black Creek.

The dispersal pipe from the lagoon, 150 feet into the water and 5.5 metres below the surface, will provide better water quality along the river where many people have

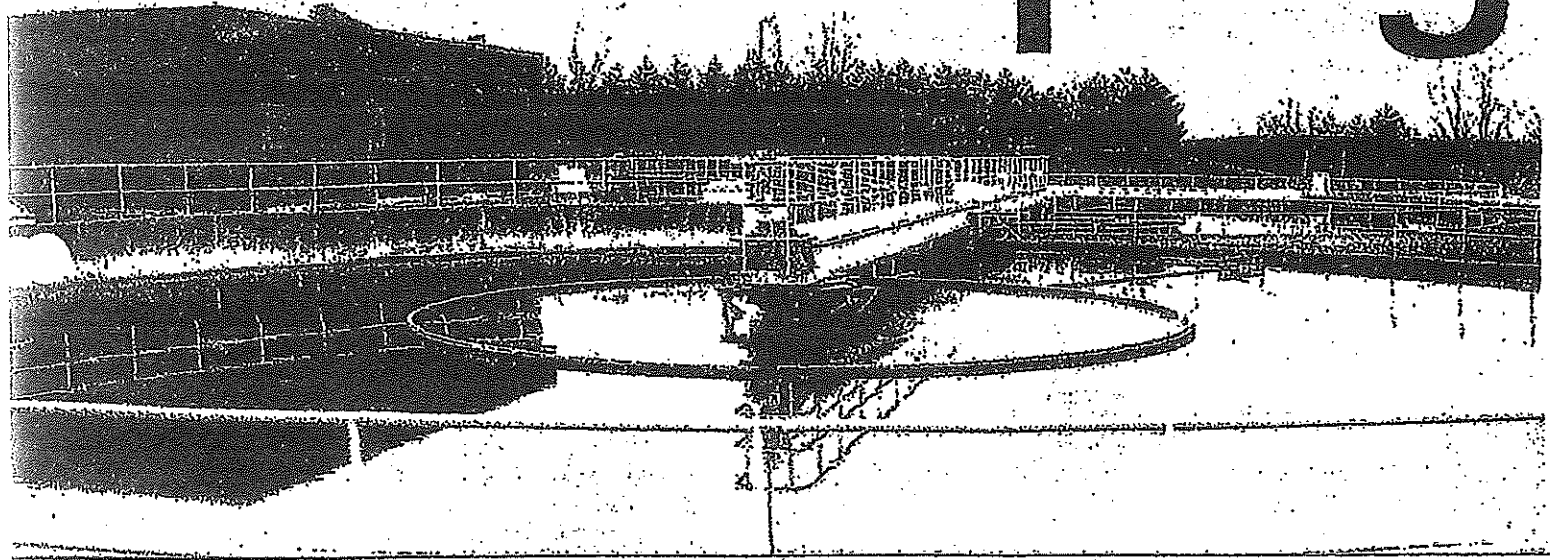
The lagoon will serve people but has a capacity of 2,750.

Mr. Cross said all people objected to the project and hearings will be informed later as to the decision by the ministry.



Despite the sewage being dumped into Lake Erie and the Niagara River, this treatment plant rarely operates at more than 60 per cent capacity.

Fort Erie dumping



Osprey News Network graphic by Jane Walker

NER NOV 22 2006

Citizens gear to fight lagoon at Stevensville

By ANNITA NEWELL
Review Staff Writer

talk against the lagoon and its possible effect on the Niagara River.

Regional government appears to have a "fetish" about sewage lagoons, George Jardine, chairman of CAUSE, (Citizens Against Unsanitary Sewage Effluent) told the group Thursday. There is a better way of treating sewage in nearby Fort Erie, he says, but in the interests of saving money, the region is pushing forward with plans to put a sewage lagoon in Willoughby.

Mr. Jaszewski said he had come in a last effort to convince people they might have been misled about the lagoon.

"Arguing tonight is not going to change anyone's mind," Mr. Parker said. "They (CAUSE members) are here to discuss and prepare for the hearing."

After Mr. Jaszewski left, Mr. Parker attempted to solidify positions and instruct members on how to handle questions they may face at the OMB hearings.

But the 30 or so residents were more interested in criticizing sewage lagoons.

The group did manage to catalogue most of its proposed arguments and decided they should each submit written arguments to Mr. Parker for his perusal.

Mr. Parker has been hired on a \$500 retainer with \$400 to be paid him for each day of hearings. The group now has about \$500 in cash and pledges after paying the initial retainer.

The sewage lagoon (proponents prefer to call it a waste stabilization pond) has been an issue since 1969 when it was first proposed. In recent years as the pollution of Black Creek became more and more dangerous, regional government has been working to implement the project.

The site is at the Queen Elizabeth Way and Netherby Road and will be designed to serve about 1,500 people in the Stevensville-Douglastown area. Niagara Falls city council approved the re-zoning from agriculture to industrial last November and Mayor Stella Ziff of Fort Erie, who had at first opposed the plan, came out in favor of it.

All that remains is the OMB hearing, intended to settle the rezoning issue only.

"We have to argue this from a planning standpoint," Mr. Parker said. But he added he will also use the heartfelt arguments of objectors to fight the lagoon.

Major concerns voiced Thursday were smell, possible con-



George Jardine holds a bottle of lagoon water from Niagara-on-the-

Lake. His group is fighting a similar plan in Willoughby.

(Review photo by Annita Newell)

tamination of the Niagara River, the potential for the lagoon to become a sludge disposal site, lack of policing to keep industrial waste out of the pond and the fact that those who will suffer the disadvantages, the CAUSE people, will not even be able to hook into the system.

"We're not against lagoons per se," Mr. Jardine said, but a lagoon in Black Creek. He said the area's low ground, clay soil, high water and winds all work against a properly-operating lagoon.

But Mr. Parker warned residents there is no guarantee a better system will be offered the area for sewage treatment if the lagoon is defeated.

"I don't want you to think you'll be hooked into the sewage system," he said, "but if we defeat this you might get a better form of treatment sooner."

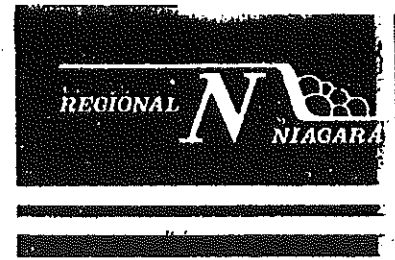
Most homes in the area have septic tank systems for sewage disposal and the clay soil makes them clog up quickly.

The malfunctioning septic tanks, which may contribute to pollution in Black Creek, could be ordered cleaned up if the lagoon is defeated.

LAGOON RESTRICTED
BY OMB & OME
YEAR 1980,
FOR RESIDENTS.
1,563 + WILLING
"NO EXTENSIONS,
ALLOWED"
(NOW A HUGE CASM
SOURCE FOR,
NIAGARA REGION)

The Regional
Municipality
of Niagara

public works department



101
C Dev. Rtr

1978 04 20

Mr. A. B. Patterson
Ministry of the Environment
40 St. Clair Avenue West
Toronto, Ontario
M4V 1M2

1-0324

Dear Al:

Stevensville/Douglastown Lagoon

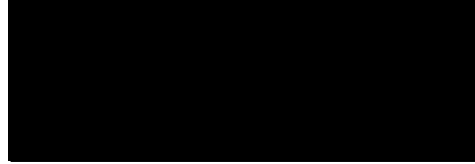
As I reported at our liaison committee meeting on Tuesday, the 18th, we have negotiated with the Town of Fort Erie, and to a limited extent, the City of Niagara Falls, with respect to Proctor & Redfern Limited's report.

The Clerk of the Town of Fort Erie advises me that Town Council unanimously approved of a lagoon scheme. They have now accepted our population figure, and have also agreed that, if there are developers who wish to become part of this system, they may do so on provision that they pay for their portion of any cost by cash payment before any work is commenced.

Also, as requested by the region, Mayor Girve Fretz met with Mayor George Bukator, 1978 04 19, and it is my understanding that the two municipalities will now support the establishment of the lagoon in the Ministry of Transportation and Communications borrow pit in Niagara Falls.

In accordance with our agreement with the Town of Fort Erie, Mayor Fretz and Mayor Bukator are invited to meet with our Public Works and Utilities Committee at its next meeting Thursday, 1978 04 27. At that time, our report to the Committee will be presented recommending that we proceed with Ontario Municipal Board and Environment Hearing Board applications for approval, and requesting that our Solicitor take the necessary action to obtain same. There is no question that these will be most difficult and contentious hearings, and we will do our very best in presenting a good engineering case. Hopefully, our scheme will be approved.

March 11, 2020



Dear 

We have received your letter and attachments that were provided to the Project team at the Public Information Centre on November 20, 2019 for South Niagara Falls Wastewater Solutions Environmental Assessment. We note that this, as well as your other correspondence from 2017 during the Region's Water and Wastewater Master Servicing Plan Update (MSP), highlights concern regarding the Stevensville-Douglastown Lagoons ("the lagoons") and requests decommissioning of this facility.

We are aware of your concerns, as well, we are aware of the rejection of a previous appeal to the Ontario Municipal Board in 2017 for this same matter. We have consulted extensively with the Ministry of Environment, Conservation and Parks (MECP) on this issue throughout 2017 to 2020. The Region is not considering the decommissioning of the lagoons at this time or for the foreseeable future. The lagoons are operated in accordance with the Environmental Compliance Approval (ECA) requirements from the MECP and have sufficient capacity to meet future growth projections in the area.

Future Planning

In 2017, the Region completed the MSP. It was an in-depth, comprehensive Class Environmental Assessment process that provides direction on how we operate our systems and facilities now, and presents the plan for future infrastructure and direction how to operate and deliver water and wastewater services in the future for Niagara Region, factoring in projected growth.

Based on the MSP, the lagoons and wastewater collection system services an existing population of 3,421 and 439 employees. Based on flow projections in the MSP, the lagoons will have sufficient capacity to support growth to 2041 and beyond. The future area to be serviced by the lagoons and wastewater collection system is anticipated to have only limited residential and employment growth consisting primarily of infill development within the existing urban boundary. In fact, even with additional flows from future growth, the lagoons will have surplus capacity and it will not reach the 80% capacity limit that would trigger an upgrade. As we move forward, the development activity and system flows to the lagoons will be continually monitored. Prior to allowing any major connections or new development on the system that would convey flows to the lagoons, the Town of Fort Erie receives input from the Region's Planning Department and Water and Wastewater Services (engineering, operations and quality and compliance) Department.

Existing Lagoons Performance

The lagoons were constructed in 1982 and continue to operate effectively.

The Region reports the annual and daily performance of the lagoons to the MECP. The rated capacity of the lagoons is 2,289 m³/day. The five year average flow to the lagoon is 1,409 m³/day. The Region achieves its mandated compliance limits for the treated effluent from the lagoons, specifically CBOD, TSS and TP, and is required to report values to the MECP for both daily averages and annual averages. Based on the annual average for various parameters, the Region has met compliance every year since 2010, which was the first year of electronic records.

In addition, there have been no reported odour complaints, according to Wastewater Treatment Plant Incident Reporting as well as review of all annual reports from 2010 to 2018.

As part of the strategy to maintain the lagoons in service moving forward, the Region is now preparing for sustainability upgrades which include rehabilitation of the lagoon banks, cleanout of sediment from the lagoons, and replacement of the chemical system. This will help to ensure the lagoons continue to operate effectively and to ensure the rated capacity and requirements of the MECP ECA are being met and will continue to be met into the future. Design for these upgrades are currently underway and construction is anticipated for 2020.

Consideration of Alternatives

The MSP reviewed alternatives for managing and treating flows from Stevensville-Douglastown, the preferred alternative as stated in MSP, Volume IV, Section G.5 is to maintain the lagoons rather than decommissioning them and sending flows to the new South Niagara Falls WWTP.

Decommissioning the lagoons and sending flows to the new WWTP would result in the following capital and operational challenges:

- (a) It would mean a generally low flow rate relative to the forcemain length and volume, which would mean significant operational challenges and increase costs.
- (b) Construction costs would be high due to distance and potential additional design considerations to address operational challenges.

We are committed to using development and taxpayers' dollars wisely. In this case, the operational and capital considerations required to decommission the lagoons and send flows to the new plant are far too significant and not warranted given that the lagoons are in compliance with the MECP ECA requirements. Plus the lagoons have enough capacity to accommodate growth in the area.

Closing

We look forward to the many benefits that the new South Niagara Falls Wastewater Treatment Plant and overall system improvements will bring to our region and to our environmental protection efforts.

We are willing to provide you any updates regarding the sustainability work set for the lagoons as well as for the South Niagara Falls Wastewater Solutions. However, we consider discussion regarding decommissioning the lagoons concluded.

Yours truly,



Ron Tripp, P.Eng.
Acting Chief Administrative Officer

Per:



Chris Hamel, P.Eng.
Project Manager, GM BluePlan Engineering Ltd.

cc: Jim Bradley, Regional Chair, Niagara Region
Mayor Redekop and Members of Council, Town of Fort Erie
Mayor Diodati and Members of Council, City of Niagara Falls
Tim Rigby, Chair Public Works Committee, Niagara Region
Kelly Edgar, Vice-Chair Public Works Committee, Niagara Region
Tom Insinna, Regional Councillor, Fort Erie
Barbara Greenwood, Regional Councillor, Niagara Falls
Bob Gale, Regional Councillor, Niagara Falls
Peter Nicholson, Regional Councillor, Niagara Falls
Wayne Gates, MPP, Niagara Falls
Tom Kuchyt, CAO, Town of Fort Erie
Ken Todd, CAO, City of Niagara Falls
Sylvain Campbell, Drinking Water Inspector, Ministry of Environment,
Conservation and Parks, Niagara District Office

COMMENT SHEET

Contact Information:

Name: _____

Organization: _____

Email: _____

Phone: _____

Please check off which of the following you would like to participate in:

- Active project involvement Online Surveys
 Just staying informed Project Mailing List

Comments:

Do you have any questions or comments about the study or any information presented at today's event?

Object to gravity sewers through agriculturally zoned areas outside of or adjacent to the urban boundary.
I understand that force mains are less of a threat as I am told that one cannot hook into a force main with subdivision pipes.
Where does the Thorold south sewage go now & how does it get there?
These threaten preservation of these lands which should be designated specialty crops with capability for grape & fruit growing

Personal information collected or submitted in writing at public meetings will be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

COMMENT SHEET

Contact Information:

Name: _____

Organization: _____

Email: _____

Phone: _____

Please check off which of the following you would like to participate in:

- Active project involvement Online Surveys
 Just staying informed Project Mailing List

Comments:

Do you have any questions or comments about the study or any information presented at today's event?

Once the new plant becomes operational, how much new capacity will be available for sewage in the old Waste Treatment Plant in terms of sewage volume, population + housing units?

Personal information collected or submitted in writing at public meetings will be collected, used and disclosed by members of the Regional Council and Regional staff in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). The written submissions including names, contact information and reports of the public meeting will be made available. Questions should be referred to the Privacy Office at 905-980-6000 ext. 3779 or FOI@niagararegion.ca

Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Thursday, June 11, 2020 11:06 AM
To: [REDACTED]
Cc: Vespi, Lisa; Chris Hamel - GM BluePlan; New Treatment Plant
Subject: South Niagara Falls Wastewater Solutions - PIC No. 3 Comment
Attachments: SNFWWS_PIC 3_Comment_[REDACTED].pdf

Hi [REDACTED],

Thank you for your continued interest in the South Niagara Falls Wastewater Solutions Class Environmental Assessment and taking the time to submit the attached comments at the Public Information Centre (PIC No. 3) on March 11, 2020.

In the coming months, we are conducting further, more detailed investigations. The results from these investigations will help us identify potential impacts and also inform how we will reduce or mitigate these impacts through the design and construction of the plant and associated wastewater system.

Protecting the environment, including agricultural lands, is an important consideration during the Environmental Assessment process. We understand your concerns regarding the location and connectivity to new infrastructure, the potential for loss of land, and the trigger for new development. Niagara Region, City of Niagara Falls, and City of Thorold all have planning policies in place to guide and control development. This infrastructure is intended to service only approved growth within the approved urban boundary limits of Niagara Falls and Thorold.

The existing Thorold system currently conveys wastewater flows north to the Port Weller Wastewater Treatment Plant (WWTP) in St. Catharines via forcemain then trunk sewer to the plant. The Region is looking to incorporate existing and future approved development within Thorold South to the new South Niagara Falls WWTP. Similar to Niagara Falls, this redirection of flows to the new plant will help to relieve the St. Catharines and Thorold systems, reduce overflows during wet weather, as well as accommodate growth.

The Stanley Avenue Wastewater Treatment Plant currently services approximately 134,000 people and jobs. Based on the strategy of constructing a new South Niagara Wastewater Treatment Plant and the continued operation of the Stanley Avenue Wastewater Treatment Plant, new service area boundaries will be created for each of the plants. The Stanley Avenue Wastewater Treatment Plant would service areas generally north of Lundy's Lane. This area currently accounts for approximately 85,000 combined residents and jobs today and is forecasted to be 104,000 combined residents and jobs in 2041, a growth of approximately 19,000 new residents and jobs in the area generally north of Lundy's Lane.

With the new plant in operation, the existing sewer system travelling to Stanley Avenue Wastewater Treatment Plant will experience less flow which will aim to reduce overflows during wet weather and create more capacity for the approved growth north of Lundy's Lane. The existing plant will have more available capacity which will create operational flexibility and not require growth related improvements. The Region will be investing at the existing plant for maintenance and to keep the plant working well.

We trust this response addresses your questions. Your information remains on our stakeholder list. You will be notified of our next PIC, which is anticipated for late Fall 2020. If you have any further questions in the meantime, please contact Lisa Vespi (lisa.vespi@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Thank you again for your engagement in this project.

Regards,

Danielle MacKinnon, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.859.5840

danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



Danielle MacKinnon - GM BluePlan

From: Webmaster <Webmaster@niagararegion.ca>
Sent: Sunday, June 07, 2020 12:57 PM
To: New Treatment Plant
Cc: webincoming
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

[REDACTED]

phone

[REDACTED]

email

[REDACTED]

municipality

Niagara Falls

other mun

subject

South Niagara Falls Wastewater Treatment Plant

comments

Good day, Has anyone else pointed out to you that any discharge or overflow from this new plant will be pumped directly into the Welland River upstream of the city's drinking water intake? In the event of a system failure who knows what could wind up heading directly for our taps? I'm sure this has been factored into the largest infrastructure project in the region so what could possibly go Walkerton... I mean go wrong?

reply

yes

Page Referrer

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>



Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Tuesday, September 08, 2020 8:40 AM
To: [REDACTED]
Cc: 'New Treatment Plant'; Vespi, Lisa
Subject: South Niagara Falls Wastewater Solutions Class EA - Comment Response

Dear [REDACTED]

Thank you for your interest in the South Niagara Falls Wastewater Solutions Class Environmental Assessment and taking the time to provide comments to the Project Team via the Region's online enquiry form. We apologize for the late response but hope the following addresses your comments.

The location of the City of Niagara Falls Water Treatment Plant Intake was an important consideration when selecting the preferred wastewater treatment plant site and discharge location. Under normal conditions, the treated discharge will travel north in the Power Canal. There may be infrequent times during Ontario Power Generation (OPG) operation and maintenance activities that the flow of the Welland River reverses its direction and heads toward the Niagara River.

The Region has a significant capital project underway to relocate the existing raw water intake pipe at the existing Niagara Falls Water Treatment Plant. The project began in collaboration with OPG to ensure a long-term water supply for the Niagara Region, while allowing for the continued operations and maintenance of the Sir Adam Beck Power Canal. The project includes relocating the intake into the Niagara River (just south of the Welland River). As part of the project, the Region will be completing a Source Water Protection Plan that will help ensure protection of the relocated intake, including events where the flow of the River reverses.

When selecting the preferred discharge location to Chippawa Creek (Welland River East), the South Niagara Falls Wastewater Solutions Class EA undertook an Assimilative Capacity Study (ACS). The ACS determined the receiving waterbody's ability to accept treated wastewater without adversely impacting aquatic or human life. This ACS report is currently with the Ministry of the Environment, Conservation, and Parks for final review and approval. We will be presenting the ACS results at our next Public Information Centre, expected for Late Fall 2020 or Early 2021.

We have added you to the stakeholder list where you will be notified of this event. If you have any further questions in the meantime, please contact Lisa Vespi (lisa.vespi@niagararegion.ca, Niagara Region Project Manager) or Chris Hamel (chris.hamel@gmblueplan.ca, Consultant Project Manager).

Regards,

Danielle MacKinnon, P.Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
t: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Monday, January 18, 2021 8:26 AM
To: 'sales@niagarafallsdoubletree.com'
Cc: 'New Treatment Plant'
Subject: FW: Online Form - Enquiry from Region website

Good morning [REDACTED]

Thank you for reaching out to our Niagara Falls wastewater treatment team (Chris Hamel – GM BluePlan, and Lisa Vespi – Niagara Region) regarding meeting room needs. At this time, our team does not anticipate needing in-person meeting rooms to complete our project.

If our project needs change, I will reach out directly to discuss availability.

Thank you again,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Niagara Region Website <webmaster@niagararegion.ca>
Sent: Tuesday, January 5, 2021 10:37 AM
To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Cc: webincoming <webincoming@niagararegion.ca>
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

[REDACTED]

phone

[REDACTED]

email

sales@niagarafallsdoubletree.com

municipality

Niagara Falls

other mun

subject

South Niagara Falls Wastewater Treatment Plant

comments

Hello Lisa, I have been in contact with GM Blue Plan in the past regarding the South Niagara Falls Wastewater Treatment Plant. I am contacting you today to see if you could provide an update on the status of the location. As the Sales Manager for the DoubleTree Hotel here in Niagara, I am always curious as to the new projects occurring in the city. Any information you could provide would be greatly appreciated.

reply

yes

Page Referrer

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>



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Danielle MacKinnon - GM BluePlan

From: Danielle MacKinnon - GM BluePlan
Sent: Monday, January 25, 2021 5:19 PM
To: [REDACTED]
Cc: New Treatment Plant
Subject: South Niagara Falls Wastewater Solutions EA - Online Inquiry

H [REDACTED]

This email is in response to your recent inquiry through the South Niagara Falls Wastewater Solutions Class EA project website. The current EA is anticipated to be complete in late spring/early summer 2021. At this time, the Region does not have specific dates for detailed design, but will be providing post-EA timelines at our next Public Information Centre (anticipated for spring 2021).

I've added you to our contact list so that you will receive notice of Public Information Centre and notice of Study Completion.

If you have any further questions or comments please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name
Sarah Morton

phone
+15129838046

email

██████████@globalwaterintel.com

municipality

Outside Niagara Region

other mun

Austin, TX, United States

subject

South Niagara Falls Wastewater Treatment Plant

comments

Dear Ms. Vespi, This is ██████████ Global Water Intelligence. We track the procurement of water/wastewater projects for our clients and we would like to make sure that we are up to date on the status of any bids for this project. We see that an environmental assessment is underway and are wondering whether you could share with us where the assessment is in terms of completion, and if there are yet any proposed timelines for design or procurement? Thank you in advance for your help, and I look forward to hearing back. Best wishes, ██████████

reply

yes

Page Referrer

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Friday, February 26, 2021 10:39 AM
To: Danielle MacKinnon - GM BluePlan; Anema, Jade
Subject: FW: Reixinger Road - Potential Future Development and possible connection to future Reixinger Rd watermain

For file

Thank you,
Lisa

From: Nicole N. Hanson <nicole@hansonpd.com>
Sent: Monday, February 22, 2021 12:15 PM
To: Lambert, Phill <Phill.Lambert@niagararegion.ca>
Cc: Erik Nickel <enickel@niagarafalls.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: Re: Reixinger Road - Potential Future Development and possible connection to future Reixinger Rd watermain

CAUTION: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Good afternoon Phill,

It was a pleasure speaking with you today. You were extremely helpful.

I will follow up with Erik separately.

Should I have any broader servicing questions I will circle back.
Have a good day Phill.

--

Respectfully,

Nicole N. Hanson, MES(Pl.), RPP, MCIP
Principal, Environmental Planner
HANSON Planning + Development
|www.hansonpd.com
nicole@hansonpd.com
|(647)969-8179

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On Feb 22, 2021, at 11:29 AM, Lambert, Phill <Phill.Lambert@niagararegion.ca> wrote:

Hi Nicole

Thanks for speaking with me today about the development interest on some lands in South Niagara Falls south of Reixinger Rd and east of Dell Road as shown on the screen shots you provided.

I understand that you are representing a potential landowner that has an offer for purchase for this property which is tied to some development approvals.

You will want to connect with Erik Nickel, Director of Public Works at the City of Niagara Falls in regards to the timing of the future City watermain along Reixinger Rd to support the new South Niagara Hospital. There isn't any existing sanitary infrastructure currently in place to support development on this site.

The Region is working on the South Niagara Falls Wastewater Solutions project that includes a new Wastewater Treatment Plant. Stay tuned for an upcoming PIC #4 this Spring.

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>

Hope this helps.

Phill Lambert. P. Eng.

Director, Infrastructure Planning & Development Engineering
Planning & Development Services Department
1815 Sir Isaac Brock Way, PO Box 1042
Thorold ON L2V 4T7
Direct: 905-984-3627 Toll Free: 1-800-263-7215
<image001.jpg>

From: Nicole N. Hanson <nicole@hansonpd.com>
Sent: Tuesday, February 16, 2021 8:46 AM
To: Lambert, Phill <Phill.Lambert@niagararegion.ca>
Cc: Zvaniga, Bruce <Bruce.Zvaniga@niagararegion.ca>; Tonellato, Joseph <Joseph.Tonellato@niagararegion.ca>; Dunsmore, Susan <Susan.Dunsmore@niagararegion.ca>
Subject: Re: Online Form - Enquiry from Region website

CAUTION: This email originated from outside of the Niagara Region email system. Use caution when clicking links or opening attachments unless you recognize the sender and know the content is safe.

Good Morning Phill,

Thank you for your timely response - I appreciate it.

Yes, please see the attached zoning map and listing.

Within the City of Niagara Falls, the subject property is zoned Village Residential, in part (majority), and Conservation Open Space, in part, in accordance with By-law 395/66 for the Township of Willoughby. Attached is a copy of the Willoughby By-law.

[REDACTED]
Municipal Address: LYONS CREEK RD
Township: WILLOUGHBY
Concession: CON VI
Lot: PT LOT 16

[REDACTED]
Community: GRASSYBROOK
Neighbourhood: REXINGER
Schedule A2- Urban Structure Plan: GREENFIELD

Click link for listing:

<http://v3.torontomls.net/Live/Pages/Public/Link.aspx?Key=ec2d48aa952b4733af873984410685ed&App=TREB>

Looking forward to speaking with you, as it appears we will be moving forward with a pre-consultation.

Phill, please let me know when we can schedule a call.

Have a great day.

Thank you again.

On Fri, Feb 12, 2021 at 4:02 PM Lambert, Phill <Phill.Lambert@niagararegion.ca> wrote:

Hi Nicole

We'd be happy to talk with you further about the potential development on Lyons Creek in Niagara Falls. Would you be able to provide a map showing where this property is located? This would greatly assist with our investigation.

Additionally, the City of Niagara Falls would be the best agency to speak with should you wish to proceed with a pre-consultation application for future development. The Niagara Region and other agencies participate in pre-consultation meetings; however, the City of Niagara Falls is the lead for this process. This link below provides further information.

<https://niagarafalls.ca/city-hall/planning/application-forms.aspx>

Regards

Phill Lambert. P. Eng.

Director, Infrastructure Planning & Development Engineering

Planning & Development Services Department

1815 Sir Isaac Brock Way, PO Box 1042

Thorold ON L2V 4T7

Direct: 905-984-3627 Toll Free: 1-800-263-7215

<image001.jpg>

From: Niagara Region Website <webmaster@niagararegion.ca>

Sent: Friday, February 12, 2021 2:02 PM

To: Zvaniga, Bruce <Bruce.Zvaniga@niagararegion.ca>

Cc: webincoming <webincoming@niagararegion.ca>

Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

Nicole Natalie Hanson

phone

6479698179

email
nicole@hansonpd.com

municipality
Niagara Falls

other mun

subject
Ptl 16 Lyons Creek Rd Niagara Falls Ontario L2E 6S

comments
Good Afternoon Bruce, I hope you are doing well. We are interested in servicing the site for future residential development - and would like to kindly confirm the required site servicing application requirements for the subject property. What are the pre-application requirements? I understand that formal comments will be forthcoming once an application is submitted. Looking forward to hearing from you regarding these preliminary stages.

reply
yes

Page Referrer
<https://www.niagararegion.ca/government/departments/public-works.aspx>



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--
Respectfully,

Nicole N. Hanson | B.A(Hons), MES(Pl.), RPP, MCIP
Principal, Environmental Planner
HANSON Planning + Development
T: 647.969.8179 | E: nicole@hansonpd.com



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<Screen Shot 2021-02-10 at 12.22.32 PM (1).png>

<Screen Shot 2021-02-10 at 12.50.01 PM.png>

<Screen Shot 2021-02-10 at 12.28.14 PM (1).png>

<Willoughby By-law 395.pdf>

Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Thursday, April 01, 2021 8:52 AM
To: Jim Borski
Cc: jennifer@dynamatic.com; Danielle MacKinnon - GM BluePlan
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Hi Jim,

Further to your email correspondence with Danielle.

Please check the application process for the approved product and equipment list process at the following link.

<https://www.niagararegion.ca/business/tenders/product-review-committee/water-wastewater/request-for-consideration.aspx>

Thank you,
Lisa

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: Tuesday, March 23, 2021 3:44 PM
To: Jim Borski <borski@gartnerequipment.com>
Cc: jennifer@dynamatic.com
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Hi Jim,

Apologies for the late response on my end. Our Niagara Region Project Manager circulated your materials internally to the Chair of the Approved Product Committee back in February. He now has your contact information and will reach out in the future if interested.

Thank you for following up.

Regards,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Jim Borski <borski@gartnerequipment.com>
Sent: Tuesday, March 23, 2021 1:59 PM

To: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Cc: jennifer@dynamatic.com
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Danielle,

Would they have any interest in a virtual session by Dynamatic?

Regards,
Jim Borski

From: Danielle MacKinnon - GM BluePlan [<mailto:Danielle.MacKinnon@gmblueplan.ca>]
Sent: Friday, January 29, 2021 9:30 AM
To: Jim Borski
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Thanks for this Jim. I have passed this information along to Niagara Region. I will touch base when they've had a chance to review and confirm if they'd like to schedule a meeting.

Regards,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



From: Jim Borski <borski@gartnerequipment.com>
Sent: Tuesday, January 26, 2021 9:18 AM
To: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Cc: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>; Chris Larkin <chris@gartnerequipment.com>; jennifer@dynamatic.com
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Daniel,

Attached Dynamatic bulletin "TRUE system efficiency" might be of interest to your project team.

Regards,
Jim Borski
Gartner Equipment

From: Jennifer Ludlum [<mailto:jennifer@dynamatic.com>]
Sent: Monday, January 25, 2021 4:38 PM
To: Danielle MacKinnon - GM BluePlan
Cc: New Treatment Plant; Chris Larkin; Jim Borski
Subject: RE: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Thank you Danielle

I have also copied my local rep here as they will also be able to help you and answer questions

Jim Borski and Chris Larkin
Gartner Equipment
Syracuse, NY
Ph 315.476.8321

Jennifer Ludlum
Sales Engineer
262-598-7060
Manufacturers of Eddy Current Products



From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>
Sent: Monday, January 25, 2021 4:27 PM
To: Jennifer Ludlum <jennifer@dynamatic.com>
Cc: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Subject: South Niagara Falls Wastewater Treatment Plant - Online Comment Received

Hi Jennifer,

I just recently received your online inquiry for the South Niagara Falls Wastewater Treatment Plant Class EA. The comments provided request the opportunity to present electromagnetic variable speed drives to engineering staff with Niagara Region. I will discuss this further with our project team and respond accordingly.

Thank you for taking the time to submit this information. If you have any questions or comments in the meantime please let me know.

Thank you,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited
Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840
danielle.mackinnon@gmblueplan.ca | www.gmblueplan.ca



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Tuesday, September 14, 2021 10:39 AM
To: Danielle MacKinnon - GM BluePlan; Macarthur, Josh
Cc: Chris Hamel - GM BluePlan
Subject: FW: Online Form - Enquiry from Region website - New South Niagara Falls WWTP

Follow Up Flag: Follow up
Flag Status: Flagged

FYI

Thank you,
Lisa

From: Cimino, Tony <tony.cimino@niagararegion.ca>
Sent: Monday, September 13, 2021 3:20 PM
To: [REDACTED]
Cc: Tonellato, Joseph <Joseph.Tonellato@niagararegion.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Coffe, Nicole <nicole.coffe@niagararegion.ca>
Subject: RE: Online Form - Enquiry from Region website - New South Niagara Falls WWTP

Thanks [REDACTED]

By copy of this email, I am asking Lisa Vespi (Project Manager on this project) to keep you informed of the upcoming Public Information Centre and any other correspondence that goes out to the Public.

Thanks again,

Tony

From: [REDACTED]
Sent: Monday, September 13, 2021 11:16 AM
To: Cimino, Tony <tony.cimino@niagararegion.ca>
Cc: Tonellato, Joseph <Joseph.Tonellato@niagararegion.ca>; Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Coffe, Nicole <nicole.coffe@niagararegion.ca>
Subject: Re: Online Form - Enquiry from Region website - New South Niagara Falls WWTP

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Hi Tony,

Thanks for your email. Yes, I would like to be added to the list to receive updates.

I am the owner of [REDACTED]. I plan to put some commercial buildings and plan to invest \$50 Million. Water and Sewer will be very important for us in that area.

Looking forward to the region's investment in the infrastructure to help develop the area.

[REDACTED]

On Mon, Sep 13, 2021 at 10:36 AM Cimino, Tony <tony.cimino@niagararegion.ca> wrote:

Hi [REDACTED];

Thank you for your inquiry and your support of the new wastewater treatment plant. The design for the new plant and connecting trunk sewer is scheduled for 2022, with construction expected from 2024 to 2027. We are planning for a final Public Information Centre this fall. The new South Niagara Fall Plant will be capable of accepting flows from the Willoughby area but the local servicing strategy is under the jurisdiction of the City of Niagara Falls

Please let us know if you would like to be added to our mailing list to receive project information and notices. More project information can be found on our project webpage:

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>

Thanks Again,

Tony

Tony Cimino C.E.T., CMMI

Associate Director, Water & Wastewater Engineering

Public Works Department

3501 Schmon Parkway, P.O Box 1042

Thorold, ON L2V 4T7

(905) 980-6000 ext.3235

tony.cimino@niagararegion.ca

From: Niagara Region Website <webmaster@niagararegion.ca>
Sent: Saturday, September 11, 2021 7:59 AM
To: pworks <pworks@niagararegion.ca>
Cc: webincomimg <webincomimg@niagararegion.ca>
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

[REDACTED]

phone

[REDACTED]

email

[REDACTED]

address

municipality
Niagara Falls

other mun

subject
Sewers/Wastewater

comments

I am happy to hear that Niagara Region has picked south Niagara Falls for the sewer treatment plant. I wanted to know if Willoughby area will get sewer lines to connect to the sewer plant? Also, what is the timeline, you are looking at to complete the project? Thank you for your time.

reply

yes

Page Referrer

<https://www.google.com/>



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Thursday, December 02, 2021 8:34 PM
To: nathan.downie@bird.ca
Cc: Macarthur, Josh; Danielle MacKinnon - GM BluePlan
Subject: RE: Online Form - Enquiry from Region website

Hi Nathan,

Sorry for the delay in responding. Thank you for your interest in the SNF WW Solutions project. We are in the final stages of the Environmental Assessment. We hope to be complete by early next year.

We are currently reviewing suitable procurement methods for the next phases of the two main projects that will come out of the EA, specifically the new trunk sewer and the new WWTP. At this time, we are unsure how we will be procuring.

Would you like to be added to our mailing list so you can be notified about project milestones, such as the next Public Information Centre and the completion?

Please feel free to touch base directly with me next year if you'd like.

Thank you,
Lisa

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Sent: Tuesday, November 2, 2021 9:52 AM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: FW: Online Form - Enquiry from Region website

From: Niagara Region Website <webmaster@niagararegion.ca>
Sent: Wednesday, October 13, 2021 1:02 PM
To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>
Cc: webincoming <webincoming@niagararegion.ca>
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

Nathan Downie

phone

780-799-9961

email

nathan.downie@bird.ca

municipality

Outside Niagara Region

other mun

Toronto

subject

South Niagara Falls Wastewater Treatment Plant

comments

Hi Lisa, I was hoping you could provide some information and timelines on the Contracting Strategy for the South Niagara Waste water Treatment Project. Will it be a Design-Build Project? Has the Region given any consideration to alternate delivery methods like IPD (Integrated Project Delivery) as a method of delivering this project? Thanks, Nathan Downie

reply

yes

Page Referrer

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Wednesday, January 26, 2022 9:11 AM
To: Danielle MacKinnon - GM BluePlan
Cc: Macarthur, Josh
Subject: FW: Online Form - Enquiry from Region website

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Danielle,

Please add Bird to the mailing list.

Thank you
Lisa

Sent from my Galaxy

----- Original message -----

From: Nathan Downie <Nathan.Downie@bird.ca>
Date: 2022-01-18 1:44 p.m. (GMT-08:00)
To: "Vespi, Lisa" <Lisa.Vespi@niagararegion.ca>
Cc: "Macarthur, Josh" <josh.macarthur@niagararegion.ca>, Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>, Ben van Vree <Ben.vanVree@bird.ca>
Subject: RE: Online Form - Enquiry from Region website

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Hi Lisa,

Apologies for my delayed response. Ben and myself would definitely like to be added to the mailing list for the project, we would appreciate that.

If the SNF WW Project Team or the Niagara Region Procurement Department would like to discuss or learn more about some alternate project delivery methods, like Integrated Project Delivery (IPD) we would be happy to set up a call or teams meeting to discuss with anyone that's interested. We're starting to see an increase in IPD projects in the Municipal Water and Wastewater Sector, I think that's partly due to the complexity and size of the projects, and in the IPD Model there's greater emphasis on transparency, collaboration and sharing risk than more traditional contracting

methods. BIRD is well experienced in delivering water and wastewater infrastructure using IPD agreements, including the City of Lloydminster's wastewater treatment plant (currently under construction) as well as other IPD projects across Canada (combined construction value of approx. \$1B).

If there is an interest in discussing any alternative project delivery methods and advantages for the Region in developing these large infrastructure projects via these methods please let us know.

Kind regards,

Nathan Downie, P.Eng

nathan.downie@bird.ca

Project Manager

780.799.9961

17007 107 Ave, Edmonton, AB T5S 1G3

www.bird.ca



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Please consider the environment before printing this email.

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>

Sent: Thursday, December 2, 2021 6:34 PM

To: Nathan Downie <nathan.downie@bird.ca>

Cc: Macarthur, Josh <josh.macarthur@niagararegion.ca>; Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>

Subject: RE: Online Form - Enquiry from Region website

You don't often get email from lisa.vespi@niagararegion.ca. [Learn why this is important](#)

CAUTION: Email from **external source**.

Hi Nathan,

Sorry for the delay in responding. Thank you for your interest in the SNF WW Solutions project. We are in the final stages of the Environmental Assessment. We hope to be complete by early next year.

We are currently reviewing suitable procurement methods for the next phases of the two main projects that will come out of the EA, specifically the new trunk sewer and the new WWTP. At this time, we are unsure how we will be procuring.

Would you like to be added to our mailing list so you can be notified about project milestones, such as the next Public Information Centre and the completion?

Please feel free to touch base directly with me next year if you'd like.

Thank you,

Lisa

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>

Sent: Tuesday, November 2, 2021 9:52 AM

To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>

Subject: FW: Online Form - Enquiry from Region website

From: Niagara Region Website <webmaster@niagararegion.ca>

Sent: Wednesday, October 13, 2021 1:02 PM

To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>

Cc: webincoming <webincoming@niagararegion.ca>

Subject: Online Form - Enquiry from Region website

Enquiry from Region website

To reply, copy the email address from below and put into 'To'. (if resident entered their email address)

name

Nathan Downie

phone

780-799-9961

email

nathan.downie@bird.ca

municipality

Outside Niagara Region

other mun

Toronto

subject

South Niagara Falls Wastewater Treatment Plant

comments

Hi Lisa, I was hoping you could provide some information and timelines on the Contracting Strategy for the South Niagara Waste water Treatment Project. Will it be a Design-Build Project? Has the Region given any consideration to alternate delivery methods like IPD (Integrated Project Delivery) as a method of delivering this project? Thanks, Nathan Downie

reply

yes

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MailScanner has detected a possible fraud attempt from "can01.safelinks.protection.outlook.com" that could be a fraud attempt as the link does not match the site its claiming to be <https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Wednesday, February 23, 2022 8:03 PM
To: Macarthur, Josh; Danielle MacKinnon - GM BluePlan
Subject: FW: Online Form - Enquiry from Region website

For file

Thank you,
Lisa

From: Vespi, Lisa
Sent: Wednesday, February 23, 2022 8:03 PM
To: [REDACTED]
Subject: RE: Online Form - Enquiry from Region website

Hi [REDACTED],

Thank you for your inquiry and your patience in my response.

First, I will address your questions related to project management. The Region is, and will continue to follow project management principles for this project, including cost, scope, quality, change and risk management. We adopt this philosophy on our capital projects, and ensure that it is incorporated into projects at all phases.

With respect to your questions related to accountability, the project team is comprised of Regional engineering, operations and maintenance, legal, procurement, finance and senior leadership staff, as well as 3rd party consultants and contractors. There is active engagement of team members, and changes are dealt with according to the management plans and authorization levels within the Region. Throughout the EA, the project team reported to Council on a regular basis and as any major changes were recognized.

With respect to your questions related to odour and other impacts, throughout the EA, the project team has actively been tracking and assessing project related risks. Specifically for due diligence, the project team conducted a comprehensive field study program to help better understand existing conditions and to support the preferred solution. This field study program is above the requirements of the EA Act, but is intended to help manage risks and costs early on in the project. These site-specific field studies include archaeology, geotechnical, hydrogeological, natural environment, environmental site assessment (i.e. soil contamination), agricultural, cultural heritage, and air, odour and noise.

More specifically, as mentioned at the recent PIC, the Region has completed air, odour and noise studies to support the preferred layout, design concepts and technology selection for the new wastewater treatment plant site located at 6811 Reixinger Road. These studies included analysis of existing wind conditions, considered existing and future land use scenarios, and included enhanced odour control measures. Ontario criteria, and federal standards and objectives where provincial guidelines are not available, were reviewed for air quality requirements and the most stringent criteria

were selected to manage odours for the preferred solution. The EA report will be available for public review this spring and will include a copy of the air, odour, and noise results.

I hope this addresses your questions.

Again, thank you for your interest in the project.

Thank you,
Lisa

From: [REDACTED]
Sent: Wednesday, February 23, 2022 12:25 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Subject: Re: Online Form - Enquiry from Region website

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Lisa ... can you explain why there has been no response ?? What happened to 3 to 5 days ??

respectfully [REDACTED]

From: Niagara Region Website <webmaster@niagararegion.ca>
Sent: February 11, 2022 9:54 AM
To: [REDACTED]
Subject: Online Form - Enquiry from Region website

Enquiry from Region website

Your message has been emailed. If you requested a reply, you should receive it within 1-3 business days.

name

[REDACTED]

phone

[REDACTED]

email

[REDACTED]

municipality

Niagara Falls

other mun

subject
South Niagara Falls Wastewater Treatment Plant

comments

I sat in on the presentation this Wednesday and would like to make the following comments and ask the following questions : I was involved in the pump house holding tank project. The same type of claims had been made about odour containment and the beautification of the waterfront. We all know how that worked out so I am very skeptical that this will be any different. The pump house project like the bridge ended up costing the taxpayers more than the original planned amount. I believe the region even lost a law suit wrt the pump house. So my questions are as follows : Will project management disciplines as set out by PMI be followed in this project complete with a Project Sponsor, the one who writes the cheques , Project changes requests etc so its doesn't cost the taxpayer more than the allotted budget ? If there are over runs who will be held accountable if true PM is not followed ?? I would like to understand in more detail what the odour elimination/control solutions will be ? What are the mitigation plans should they not work ? Will the region pick up the loss in the property values should it not work and odour becomes a constant issue ?? I would also like to understand if in the assessments that have been done, has the high wind conditions that happen on a regular basis on the creek been taken into account when talking about odour and and the the direction of the waves in these cases ?? In the pump house case one could smell the odour all over Chippawa and into the Niagara River when the wind picked up.

reply
yes

Page Referrer
<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>



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Danielle MacKinnon - GM BluePlan

Subject: FW: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA

From: Vespi, Lisa

Sent: Thursday, February 24, 2022 11:03 AM

To: 'dmadeira@branthaven.com' <dmadeira@branthaven.com>

Subject: RE: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA

Good morning Dave,

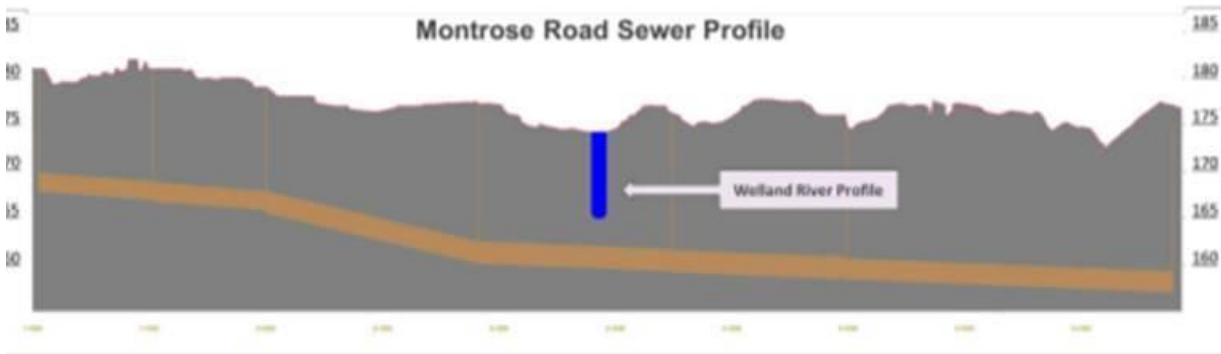
Thank you for your email. As presented at PIC 4, the preferred strategy for the new trunk sewer will be a new, deep tunneled sewer along Montrose Road that will connect the existing sanitary system to the new wastewater treatment plant. This trunk sewer will be quite deep and will not have any private service connections from it.

More information on the preferred solution can be found online.

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/default.aspx>

Slides 23 to 27 outline the preferred strategy for the trunk sewer:

<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/pdf/pic4-display-boards.pdf>



We will be entering into detailed design this year, where we will review the infrastructure around the existing South Side High Lift Pumping Station (the neighbouring property to you). This station will be decommissioned as part of our strategy so there will likely be upstream/downstream modifications to Regional infrastructure required. At this point, I'm not sure what changes would occur with the City of NF infrastructure (that you would be connecting in to).

Not to overwhelm you with information, but here is a screenshot of the existing servicing in this area from Regional GIS. Likely, you are thinking of connecting into the green local sewer that runs southerly on the eastern limit?



Dave Madeira, P.Eng.
Director, Land Development

BRANTHAVEN

DEVELOPMENT

T 905.333.8364 ext. 265 / M 416.988.6884
720 Oval Court, Burlington, ON L7L 6A9

e-mail: dmadeira@branthaven.com

From: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>

Sent: Monday, January 31, 2022 9:15 AM

To: David Madeira <dmadeira@branthaven.com>

Subject: RE: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA

[CAUTION : External E-Mail. Do Not Click On Links Or Open Attachments You Do Not Trust]

Good afternoon,

Thank you for your inquiry to the Niagara Region South Niagara Falls Wastewater Solutions project website.

Per your request, you have been added to our mailing list to receive further project communications.

As well, registration for the upcoming Public Information Centre #4 is provided by this link:

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https://us06web.zoom.us/webinar/register/WN_sGa1czn8QTynKB2KMU1ICQ

We look forward to hearing from you!

Thank you,

Josh MacArthur

From: David Madeira <dmadeira@branthaven.com>

Sent: Thursday, January 27, 2022 10:40 AM

To: New Treatment Plant <New.Treatment.Plant@niagararegion.ca>

Subject: RE: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA

Please add me to your distribution list.

Dave Madeira, P.Eng.

Director, Land Development

BRANTHAVEN
DEVELOPMENT

T 905.333.8364 ext. 265 / M 416.988.6884

720 Oval Court, Burlington, ON L7L 6A9

e-mail: dmadeira@branthaven.com

From: Danielle MacKinnon - GM BluePlan <Danielle.MacKinnon@gmblueplan.ca>

Sent: January 27, 2022 10:01 AM

Cc: new.treatment.plant@niagararegion.ca

Subject: Notice of PIC #4 - Niagara Region, South Niagara Falls Wastewater Solutions Class EA

To Whom It May Concern,

Attached is a Notice of Public Information Centre (PIC) #4 for the Niagara Region – South Niagara Falls Wastewater Solutions Class Environmental Assessment (Schedule C).

PIC #4 will present design concepts for:

- The recommended new wastewater treatment plant site at 6811 Reixinger Road, Niagara Falls, ON;
- Plant outfall location to Welland River East; and,
- Associated sewer strategy and alignments for Montrose Road and Thorold South.

The Region will host a live virtual presentation on **Wednesday, Feb. 9, 2022 from 6-7pm**. To attend this presentation, **please register using the link below:**

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https://us06web.zoom.us/webinar/register/WN_sGa1czn8QTynKB2KMU1ICQ

PIC #4 material will be available on the project website beginning Feb. 9, 2022. A recording of the live presentation will be accessible following the scheduled event through the project website linked below:

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<https://www.niagararegion.ca/projects/south-niagara-falls-treatment-plant/>

Should you have questions regarding this study, please contact the Region Project Manager, Lisa Vespi (New.Treatment.Plant@niagararegion.ca)

Sincerely,

Danielle MacKinnon, P. Eng.
Infrastructure Planning

GM BluePlan Engineering Limited

Royal Centre | 3300 Highway No. 7, Suite 402 | Vaughan ON L4K 4M3
c: 416.859.5840

danielle.mackinnon@gmblueplan.ca | **[MailScanner has detected a possible fraud attempt from "can01.safelinks.protection.outlook.com" that could be a fraud attempt as the link does not match the site its claiming to be](https://www.gmblueplan.ca)** www.gmblueplan.ca



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Danielle MacKinnon - GM BluePlan

From: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Sent: Wednesday, April 27, 2022 10:28 AM
To: Danielle MacKinnon - GM BluePlan
Cc: Chris Hamel - GM BluePlan; Macarthur, Josh
Subject: FW: New Proposed Sewage treatment Plant South of Welland River

Follow Up Flag: Follow up
Flag Status: Flagged

From: Anne Yagi <anne.yagi@8trees.ca>
Sent: Friday, April 22, 2022 6:40 PM
To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>
Cc: [REDACTED] Stanley, Megan (ECCC)
<Megan.Stanley2@ec.gc.ca>; [REDACTED]
Subject: FW: New Proposed Sewage treatment Plant South of Welland River

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Hello Lisa
Please see the following information from the Department of Fisheries and Oceans.

Regards,
Anne Yagi, M.Sc., EP, CERP
President



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From: FPP.CA / PPP.CA (DFO/MPO)
Sent: April 22, 2022 4:41 PM
To: Anne Yagi <anne.yagi@8trees.ca>
Subject: RE: New Proposed Sewage treatment Plant South of Welland River

Hello Anne,

Thank you for the information on New Proposed Sewage treatment Plant South of Welland River. Fisheries and Oceans Canada (DFO), through the Fish and Fish Habitat Protection Program, is mandated to manage physical threats to fish and fish habitat. Under the *Fisheries Act*, a proponent that is proposing to physically alter a waterbody is responsible to ensure that projects conform to all statutory requirements. A proponent of these activities is required to take the following steps:

- to understand the types of impacts its projects are likely to cause;
- to take measures to avoid and mitigate impacts to the extent possible; and,
- to request a *Fisheries Act* authorization from the Minister of Fisheries and Oceans, and abide by the conditions of any such authorization, when it is not possible to avoid or mitigate impacts of projects that are likely to cause the death of fish or the harmful alteration, disruption or destruction of fish habitat.

As well, proponents are required to ensure that proposed projects do not contravene one of the *Species at Risk Act* prohibitions with respect to aquatic species.

Please note that ECCC is the overall lead for the administration and enforcement of the pollution prevention provisions of the *Fisheries Act* (see also: Frequently asked questions: [Fisheries Act pollution prevention provisions](#)). These provisions include subsection 36(3), also known as the general prohibition, which prohibits the deposit of any deleterious substances in water frequented by fish unless authorized by federal regulations. Deleterious substances include any substance that, if added to water, would degrade, alter, or form part of a process of degradation or alteration of the quality of water so that it is rendered deleterious to fish or fish habitat or for human consumption of any fish from that water. The full definition of “deleterious substance” can be found in the *Fisheries Act* section 34 (1) at <<http://laws-lois.justice.gc.ca/eng/acts/F-14/FullText.html>>.

Additional information regarding DFO’s project review process under both the *Fisheries Act* and *Species at Risk Act* can be found on DFO’s Projects Near Water website at <http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>. DFO’s website provides information to proponents regarding standards and codes of practice for specific project types and mitigation measures to implement during projects to protect fish and fish habitat. Should a proponent be unable to avoid or mitigate the death of fish or the harmful alteration, disruption or destruction of fish habitat during their work, DFO recommends that a Request for Review form be submitted.

Regards,

Amanda Swiniarski
Biologist | Biologiste

Fisheries and Oceans Canada | Pêches et Océans Canada
Fish and Fish Habitat Protection Program | Programme de protection du poisson et de son habitat
867 Lakeshore Road, Burlington, ON, L7S 1A1 | 867, ch. Lakeshore, Burlington, ON, L7S 1A1

From: Anne Yagi <anne.yagi@8trees.ca>
Sent: Thursday, April 21, 2022 2:34 PM
To: FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>
Subject: FW: New Proposed Sewage treatment Plant South of Welland River

I mistakenly sent this to Shelly Dunn. She kindly pointed me in your direction.

Please find attached two reports I authored as the provincial biologist for the Niagara Area of Guelph District. I retired in 2016. The watershed report was completed as part of the Niagara River RAP and contains detailed information and an assessment of the fish community at the confluence of three systems, Niagara River, Welland River and Grassy Brook.

I am concerned that the proposed sewage treatment discharge for the New sewage treatment plant will harm fish communities and their habitat because the discharge area is at the confluence of 3 main tributaries. The location is at the "triangle island" where the Niagara River, Welland River and Grassy Brook converge. This is also the highest biodiversity and abundance of fish species found in our extensive surveys. Grassy Brook especially contains YOY musky habitat. We did not survey for mussels however, I expect this area to be rich in Mussels too.

The Region of Niagara claims this is the best site based on their information and criteria, however, I remain concerned because none of the agencies regulating fisheries have been distributed or involved in choosing the best discharge location for this new sewage treatment plant. I feel this is an engineered biased selection process.

I would like you to look into this.

Thank you

Regards,

Anne Yagi, M.Sc., EP, CERP

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From: Anne Yagi

Sent: April 21, 2022 9:04 AM

To: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; Lambert, Phill <Phill.Lambert@niagararegion.ca>

Cc: [REDACTED] <[REDACTED]>; 'chris.hamel@gmblueplan.ca' <chris.hamel@gmblueplan.ca>; Dunn, Shelly <Shelly.Dunn@dfo-mpo.gc.ca>; Denyes, David (MNR)

<David.Denyas@ontario.ca>

Subject: RE: New Proposed Sewage treatment Plant South of Welland River

Thank you, Lisa

I have flagged this project to the local NDMNRF and to the DFO Biologists to address under their regulations.

These agencies have not reviewed or seen this proposal. I am sure they would have concerns.

The discharge location must go past the velocity “no point of return” flows in the Power Canal and not be discharged into ecologically sensitive habitats such as the confluence of three major ecological systems.

I respectfully request to see all field data collected to support this request as I question the scientific integrity of your studies.

Regards,

Anne Yagi, M.Sc., EP, CERP

President



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From: Vespi, Lisa

Sent: April 20, 2022 2:27 PM

To: Anne Yagi <anne.yagi@8trees.ca>; Lambert, Phill <Phill.Lambert@niagararegion.ca>

Cc: [REDACTED]; Norman, Sean <Sean.Norman@niagararegion.ca>; 'chris.hamel@gmblueplan.ca' <chris.hamel@gmblueplan.ca>

Subject: RE: New Proposed Sewage treatment Plant South of Welland River

Hi Anne,

Thank you for your interest in this project.

Just following up to Phill’s email below.

The treated effluent pipe from the new wastewater treatment plant will discharge to the Chippawa Creek (aka Welland River East), just east of the OPG canal.

As Phill mentioned, as part of the ongoing Environmental Assessment (EA), the team has completed extensive environmental desktop and field studies. And in addition, an assimilative capacity study (ACS) for the Chippawa Creek was completed. This was to confirm the treatment needs to meet all regulatory standards and requirements. The expected water quality concentrations in the receiving waters are not expected to be measurably different from the existing conditions throughout the study area

MECP reviewed the ACS submission and provisionally accepted with minor recommendations on July 20, 2020. All recommendations were incorporated into the final ACS report and submitted with the ESR. Coming from the EA, there are established parameters (aka criteria) that the Region will be required to meet through treatment prior to discharging.

This information will be available with the final EA report that is expected for public review sometime in May.

I hope this answers your questions.

Thank you,
Lisa

From: Anne Yagi <anne.yagi@8trees.ca>
Sent: Thursday, April 7, 2022 7:16 PM
To: Lambert, Phill <Phill.Lambert@niagararegion.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca> [REDACTED]; Norman, Sean <Sean.Norman@niagararegion.ca>; 'chris.hamel@gmblueplan.ca' <chris.hamel@gmblueplan.ca>
Subject: RE: New Proposed Sewage treatment Plant South of Welland River

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Thanks for getting back to me. This is a relief.
All the Best

Regards,
Anne Yagi, M.Sc., EP, CERP
President



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From: Lambert, Phill
Sent: April 7, 2022 5:27 PM
To: Anne Yagi <anne.yagi@8trees.ca>
Cc: Vespi, Lisa <Lisa.Vespi@niagararegion.ca>; [REDACTED]; Norman, Sean <Sean.Norman@niagararegion.ca>; 'chris.hamel@gmblueplan.ca' <chris.hamel@gmblueplan.ca>
Subject: Re: New Proposed Sewage treatment Plant South of Welland River

Good Afternoon [REDACTED]

Thanks for sending this information to me. I'm sharing it with the project team.

I can advise that Lisa Vespi, Manager, Capital Projects for W&WW Engineering is the lead Project Manager for the new South Niagara Falls WWTP and Servicing Solutions Project. I've also copied Chris Hamel, President of GM Blue Plan, consultant lead for this project.

My understanding is that there has been a substantial amount of environmental work in regards to the proposed effluent location for the future WWTP. I believe that the OPG Power Canal is the proposed effluent discharge point as you have noted below; however, Chris and Lisa would be able to provide more information on this.

The project webpage can be found at :

[South Niagara Falls Wastewater Solutions - Niagara Region, Ontario](#)

Thanks again for providing this information.

Take Care

Phill Lambert. P. Eng.

Director, Infrastructure Planning & Development Engineering
Planning & Development Services Department
1815 Sir Isaac Brock Way, PO Box 1042
Thorold ON L2V 4T7
Direct: 905-984-3627 Toll Free: 1-800-263-7215



From: Anne Yagi <anne.yagi@8trees.ca>
Sent: March 30, 2022 2:12 PM

To: Lambert, Phill <Phill.Lambert@niagararegion.ca>

Cc: [REDACTED]

Subject: New Proposed Sewage treatment Plant South of Welland River

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Hello Phill

I received your name from Sean Norman Senior Planner with the Region of Niagara. I am following up after a site visit with Regional Planners and representatives from Livable Chippawa to the proposed location for the new sewage treatment plant on March 10, 2021.

I retired from MNRF in 2016 as the local Management Biologist. I held that position for 25 years. During that time I monitored fish communities in the Niagara River Watershed and prepared a 3 tiered typing of all fish habitat in the Niagara Region to help guide development planning and restoration.

I can attest to the fact that the site you have chosen to discharge effluent from a new sewage treatment plant into an area of 3 merging ecological systems (Niagara River, Welland River, and Grassy Brook) and contains very high biodiversity, abundant and diverse fish communities and fish habitat and other sensitive ecological functions.

Perhaps you or your consultants did not realize this area is sensitive, so I attached the government reports on this subject. The least sensitive area in the vicinity of the new sewage treatment plant is the Power Canal to the north. Please extend your pipe to the point of critical fish swim velocity in that channel, to minimize the impact to fisheries and habitat in this sensitive area.

I am available to discuss this further at your convenience.

Regards,

Anne Yagi, M.Sc., EP, CERP

President



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