



Staff Report

Operations – Water & Wastewater Services

Report To: COW-Operations, Planning and Development Services
Meeting Date: March 14, 2023
Report Number: CSOPS.23.011
Title: Craigleith WWTP Sewage Pumping Station Class EA PIC 2 Follow-up and Notice of Completion
Prepared by: Allison Kershaw, Manager of Water & Wastewater Services

A. Recommendations

THAT Council receive Staff Report CSOPS.23.011, entitled “Craigleith WWTP Sewage Pumping Station Class EA PIC 2 Follow-up and Notice of Completion for their information”;

AND THAT Council endorse Alternative C as the preferred option to address the 300mm jumper sewer. This includes a new trunk gravity sewer on Long Point Road and new pumping station located at the Craigleith Wastewater Treatment Plant;

AND THAT Council endorse Alternative B as the preferred option to address the septic and leachate receiving station. This includes relocating the septic and receiving station to the Craigleith Wastewater Treatment Plant;

AND THAT Council approve the issuance of the “Notice of Completion” for the 30-day review for the Craigleith WWTP Sewage Pumping Station Class EA.

B. Overview

The purpose of this Staff Report is to provide Council with a summary of the comments and feedback that was received through the Craigleith WWTP Sewage Pumping Station Class EA Virtual Public Information Centre (PIC) 2 held on Thursday January 26, 2023. Furthermore, this report is seeking Council endorsement of the preferred alternatives and issuance of the “Notice of Completion” (Attachment #2) for the 30-day public and agency review and comment period for the Craigleith WWTP Sewage Pumping Station Class EA.

C. Background

The Town of The Blue Mountains has initiated a Municipal Class Environmental Assessment (MCEA) to evaluate and select the preferred solution to address the discharge from the sanitary sewer on Grey Road 21. Currently, the 525mm Grey Road 21 sewer allows sewage to be conveyed to the Craigleith Main Lift Station via a 300mm diameter jumper sewer, along the

south side of Highway 26 from Grey Road 21 to the western end of Timmons Street. The jumper was installed as a temporary solution to allow the developments that feeds in the Grey Road 21 sewer to proceed without the delays that would have been required for the construction of a lift station. The lift station is required to lift the sewage from a gravity sewer up and into the Craigleith Wastewater Treatment Plant (CWWTP) for proper treatment. Through this MCEA, staff have also considered the route of the gravity sewer on Long Point Road, as well as an opportunity to relocate the septic and leachate receiving station to the CWWTP. The construction of a sewage lift station and a septage and leachate receiving station are considered as Schedule B projects under the MCEA, and the gravity sewer is considered a Schedule A project. Schedule A projects can proceed without consultation. Staff combined both related projects into one MCEA process to achieved efficiencies, reduce costs, and provide greater transparency to the public.

300mm Jumper Sewer

The following alternatives have been evaluated for addressing the 300mm jumper sewer:

- Alternative A - Do nothing, however this fails to address the problem.
- Alternative B - Expand the Craigleith Sewage Pumping Station (CSPS), including the replacement of the 300mm jumper with a properly sized sewer and an additional forcemain from the CSPS to the CWWTP.
- Alternative C – Construct a new Sewage Pumping Station (SPS) at the site of the CWWTP.
- Alternative D – Construct a new SPS between Highway 26 and the CWWTP on Long Point Road.

Septage Receiving Station

The following alternatives have been evaluated for addressing the septic and leachate receiving station:

- Alternative A - Maintaining the septage receiving station at the CSPS.
- Alternative B - Moving the septage and leachate receiving station to the CWWTP.

The proposed alternatives have been evaluated considering natural, cultural, technical, economic, and environmental aspects. Relative cost estimates for each alternative have been prepared for comparative means. These are considered high level Class D estimates and are +/- 25%. The estimates are not to be used for budgetary considerations, but for relative comparative costs to evaluate the alternatives. The study also includes input from the public, key stakeholders, and review agencies.

Evaluation of the Alternatives for the addressing the 300mm Jumper Sewer:

Criteria	Alternative A: Do Nothing	Alternative B: Expand Craigleith SPS (CSPS)	Alternative C: New trunk Sewer and SPS at CWWP	Alternative D: New Trunk Sewer and SPS on new property
Technical	Least Preferred, does not address problem.	Most preferred, addresses problem.	Most preferred, addresses problem.	Most preferred, addresses problem.
Environmental	Most Preferred, Does not address problem.	Less preferred, localized impacts on existing site. 3.5 km of new piping, including gravity main and forcemain.	Somewhat preferred, localized impacts on existing site. 450 m of new gravity sewer. Some tree removal will be required on CWWTP site.	Less preferred, new pumping station will require clearing of undeveloped land, 450 mm piping on existing road.
Social	Less preferred, CSPS will remain a single point of failure.	Least preferred, impacts along Hwy 26, CSPS will remain a single point of failure.	Most preferred, Localized construction at CWWTP, lift station will be screened from adjacent residents	Less preferred, localized impacts at CWWTP, on Long Point Road and new site for new pumping station.
Economic	Most preferred, does not address problem, no additional capital costs.	Least preferred, capital costs \$16-19M	Somewhat preferred, capital costs \$8.1M	Less preferred, capital costs \$9.5M
Ranking	4 Does not address problem	3 Problem will be addressed	1 Problem will be addressed	2 Problem will be addressed

The Septic and Leachate Receiving Station is currently located at the CSPA. This is an area that is soon to be developed. This location presents many challenges to the Town, including traffic flow for large tanker trucks, safety, odour, and efficiency concerns. If the preferred alternative to address the 300mm jumper sewer is to construct a new lift station at the CWWTP, Alternative C, then relocating the receiving station to the CWWTP makes sense. The construction of the lift station will allow for proper traffic management, noise and odour mitigation and an enclosed environment for discharge. In considering the cost of rebuilding the current receiving station at the existing CSPA and building a new receiving station at the CWWTP, they both are estimated at \$2.5M. The reconstruction at the existing CSPA has the highest risk for costs escalating due to working with the existing infrastructure and a limited footprint. The reconstruction of the Receiving Station at the CSPA will not address the traffic issues at the station and may require the removal of treed buffer between the station and the residents to the north of the station.

D. Analysis

On January 26, 2023, Staff held a the virtual CWWTP Sewage Pumping Station Class EA PIC #2. The PIC was hosted on Microsoft Teams from 5:00pm to 7:00pm. A total of 35 individuals attended the meeting. The Long Point Road Sanitary Sewer and CWWTP Plant Upgrades MCEA, PIC #2 [Slide Show Presentation](#).

The primary concerns heard in the lead up, throughout and following the PIC included the following:

Local Impacts

Residents voiced concerns related to local impacts including increased traffic and the possibility of increased odours on Long Point Road and Brophy's Lane.

Town Response – The Town would be planning to pave and improve the road structure of Brophy's Lane between Long Point Road and the entrance to the CWWTP through this project. Town Staff have also met onsite with senior officials from the MTO, Grey County, Simcoe County, and the Town of Collingwood at the intersection of Highway 26 and Long Point Road/Grey County Road 21. The MTO is looking at a roundabout or signalized intersection in that location, however a timeline for that installation is not clear at this point. There would be no additional odours expected for surrounding residents with the construction of a lift station on the CWWTP property, however relocating the septage receiving station to the WWTP site would have the potential for bringing increased odours. To mitigate these impacts, the Town is investigating construction options including odour control systems, planting of coniferous buffer trees, and a fully enclosed receiving station to minimize the impacts to surrounding properties.

Project Funding

Residents voiced concerns related to the cost of the project and how it would be funded. Specifically, regarding the potential impacts of Bill 23 on the Town's ability to collect Development Charges that are to partially fund the construction.

Town Response – Bill 23 – also known as the “More Homes Built Faster Act” – will impact how the Town collects Development Charges. The Province has not released all regulations associated with the bill and therefore a full impact on Town financials can not be done at this time.

Relation to Castle Glen Development Area

Residents voiced concerns regarding this project’s relation to Castle Glen Development Area.

Town Response - When considering the installation of a sewer and a pumping station, the Town needs to consider all lands that potentially could feed into the sewer shed. Although there is no active Development Application in place, the Town would not be doing its due diligence to overlook a potential development like Castle Glen with this project. The Castle Glen area has been considered in the same way as all properties within the sewer shed with development potential. Using the Official Plan, the Town looks at the potential density of all developmental properties that could feed into the system. In no way is this project (the EA) providing any type of approval for the Castle Glen development.

The complete summary of questions and answers can be found in Attachment #1, CWWTP Sewage Pumping Station Class EA PIC 2 Follow-up Questions and Concerns

Staff recommend finalizing the Class EA Project File based on selecting Alternative C to address the jumper sewer, and Alternative B to address the septic receiving station. These alternatives will allow for the Town to construct a sewage pumping station and septic and leachate receiving station at the CWWTP. This will also permit the Town to issue the Notice of Completion and allow an opportunity for further public comment during the 30-day period.

E. Strategic Priorities

1. Communication and Engagement

We will enhance communications and engagement between Town Staff, Town residents and stakeholders.

2. Organizational Excellence

We will continually seek out ways to improve the internal organization of Town Staff and the management of Town assets.

3. Community

We will protect and enhance the community feel and the character of the Town, while ensuring the responsible use of resources and restoration of nature.

4. Quality of Life

We will foster a high quality of life for full-time and part-time residents of all ages and stages, while welcoming visitors.

F. Environmental Impacts

Significant alterations to municipal infrastructure require a Municipal Class Environmental Assessment. The proposed alternatives have been evaluated considering natural, cultural, technical, economic, and environmental aspects, as well as input from the public, key stakeholders, and review agencies. The level of impacts in each option are weighed against other impacts such as cost. Options for mitigating natural and cultural impacts (such as historic significance) are also put forth.

G. Financial Impacts

This EA was approved in the amount of \$385,000 to be fully funded from Wastewater Development Charges. The estimated construction cost of \$8.1M will have a funding mix between the Wastewater Asset Replacement Reserve Fund and Wastewater Development Charges.

The Draft 2023 Capital Budget includes \$1.35M for the CWWTP Lift Station and Support Engineering to be funded from the Wastewater Asset Replacement Reserve Fund. Once the detailed engineering is complete staff will have a better understanding of growth costs versus replacement costs.

H. In Consultation With

Jason Petznick, Communications Coordinator

Sam Dinsmore, Deputy Treasurer/Manager of Accounting and Budgets

Mark Service, Wastewater Supervisor

I. Public Engagement

The topic of this Staff Report has been the subject of a Public Meeting and/or a Public Information Centre in accordance with the following schedule:

- April 7 & April 21, 2022, Notice of Study Commencement and Notice of PIC 1 advertised in Collingwood Connection.
- April 14, 2022, Notice of Study of Commencement and Notice of PIC 1 mailed to Stakeholders.
- April 12, 2022, Committee of the Whole – Initial staff report CSOPS.22.033 with recommendation to proceed to public consultation. April 25, 2022, Council – Recommendations from April 12, 2022, Committee of the Whole confirmed.
- April 28, 2022, Virtual PIC 1 to be held.

- June 21, 2022, Committee of the Whole – Follow-up report to the PIC 1, attaching comments received in response to the PIC 1.
- January 5, 2023, Notice of PIC 2 mailed to Stakeholders.
- January 5 & January 19, 2023, Notice of PIC 2 advertised in Collingwood Connection.
- January 10, 2023, Committee of the Whole – CSOPS.23.001 Craighleith Wastewater Treatment Plant Sewage Pumping Station Class EA PIC 2 report to proceed to public consultation.
- January 23, 2023, Council – Recommendations from January 10, 2023, Committee of the Whole confirmed.
- January 26, 2023, Virtual PIC 2 to be held.
- March 14, 2023, Committee of the Whole – CSOSP.23.011 CWWTP PIC2 Follow-up and Notice of Completion report to the Public Meeting
- March 30, 2023, Notice of Completion will be advertised in the Collingwood Connection.

Any comments regarding this report should be submitted to Allison Kershaw, Manager of Water & Wastewater Services managerwww@thebluemountains.ca.

J. Attached

1. CWWTP Sewage Pumping Station Class EA PIC 2 Follow-up Questions and Concerns
2. Notice of Completion, CWWTP Sewage Pumping Station Class EA

Respectfully submitted,

Allison Kershaw,
Manager of Water & Wastewater Services

Shawn Carey
Director Operations

For more information, please contact:
Allison Kershaw, Manager of Water & Wastewater Services
managerwww@thebluemountains.ca
519-599-3131 extension 226

Report Approval Details

Document Title:	CSOPS.23.011 Craigleith WWTP Sewage Pumping Station Class EA PIC 2 Follow-up and Notice of Completion.docx
Attachments:	- CSOPS.23.011 Attachment 1.pdf - CSOPS.23.011 Attachment 2.pdf
Final Approval Date:	Feb 28, 2023

This report and all of its attachments were approved and signed as outlined below:

Allison Kershaw - Feb 28, 2023 - 1:42 PM

Shawn Carey - Feb 28, 2023 - 2:08 PM