



Memorandum

Project:	City of Kawartha Lakes Water and Wastewater Master Plan Update
Project No.:	10599
Date	August 23, 2024
To	City of Kawartha Lakes: Nafiur Rahman
From	Kevin Brown
Subject	Summary of Master Plan Deliverables

Nafiur:

Here is the summary of the Master Plan Deliverables, suitable for sharing on the Project Website:

TM-1: BACKGROUND INFORMATION AND NEEDS REVIEW

As data is provided and reviewed, the key elements – as they pertain to the Class EA Process – will be described in the memo. TYLin’s intended use of that information will also be detailed. This deliverable will constitute a formal record of the information provided and will document how it will be used. The City’s review and acceptance will effectively confirm some elements of the additional workplan.

- **Draft Techmemo Posted to Project Website: N/A.** (This is an internal review of technical information and studies. It is a Project Management resource, not required/intended for public review)

TM-2: FIELD INVESTIGATION RECOMMENDATIONS

The Terms of Reference for this project identified a number of Provisional Items relating to possible field investigations to supplement the available information in order to inform the capacity assessment. These items included sanitary sewer flow monitoring; pumping station draw-down tests; and fire flow and C-Factor testing .

- **Draft Techmemo Posted to Project Website: N/A.** (This is an internal review of available data, and recommendations for additional investigations)

TM-3: WASTEWATER FLOW MONITORING REPORT

The Wastewater Flow Monitoring Report includes the testing methodology summaries, Key system maps and site configuration and operational details, field observations and wastewater flow monitoring summaries. This data is being used to calibrate the baseline wastewater models for the communities of Lindsay, Bobcaygeon and Fenelon Falls.

- **Draft Techmemo Posted to Project Website:** **N/A.** *[Please reach out to the project team if you would like to review this document]*
- **Final Techmemo Posted to Project Website:** *[Anticipated in September 2024]*

TM-4: WATER AND WASTEWATER SYSTEM CAPACITY AND CONDITION ASSESSMENT

These documents will provide a facility-by facility summary of the current capacities of the facilities. In the case of the treatment facilities, additional information about the process capacity and limitations will also be provided.

- **Draft Techmemo Posted to Project Website:** June 2024
- **Final Techmemo Posted to Project Website:** *[Anticipated in September 2024]*

TM-5: WATER AND WASTEWATER SERVICES DEMAND ASSESSMENT

This memorandum details the population planning data, and the methodology by which it was assigned to the “build-out conditions” model.

The recommended infrastructure improvements will be added to the “build-out” model networks, coded specifically so that the pipes can be deactivated for existing conditions scenarios.

- **Draft Techmemo Posted to Project Website:** June 2024
- **Final Techmemo Posted to Project Website:** *[Anticipated in October 2024]*

TM-6: HYDRAULIC MODELLING TECHNICAL MEMORANDUM

A modelling methodology memorandum will document how the models will be used for the network analyses, along with results of the Baseline and Buildout Servicing Assessments.

- **Techmemo Posted to Project Website:** *[Anticipated in November 2024]*

TM-7: UNCOMMITTED RESERVE CAPACITY ASSESSMENT

[Water and Wastewater System Maps, displaying the build-out modelling scenario results as reserve flow, but converted into equivalent residential units.](#) This will assist the City in considering development applications submitted after the Master Plan is finalised.

- **Techmemo Posted to Project Website:** *[Anticipated in December 2024]*

TM-8: CAPITAL INFRASTRUCTURE DEVELOPMENT AND IMPLEMENTATION PLAN

Project lists with cost estimates developed on standard unit pricing and details regarding required permits and approvals. This will be included in a technical memorandum describing the assumptions and procedures.

- **Techmemo Posted to Project Website:** *[Anticipated in December 2024]*

CLASS EA PROJECT FILE REPORT

The final summary of all of the Project Work, intended to satisfy the requirements of the Class Environmental Assessment Process. This deliverable will be provided for a 30-Day Public Review prior to issuing the formal Notice of Completion for the Project:

- **Report Posted to Project Website:** *[Anticipated in December 2024]*
- **Report Available for Public Review at the following Locations:** *[TBD]*
- **End of Statutory Review Period:** *[To be confirmed; no less than 30 days following issuance]*
- **Notice of Completion Issued:** *[TBD]*