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VIA EMAIL ONLY

August 22, 2023

Adam Weishar, C.E.T.
Director of Infrastructure and Development
Municipality of Kincardine
1475 Concession 5, R.R. 5
Kincardine, ON N2Z 2X6

Dear Sir:

**RE: Municipality of Kincardine – Water and Wastewater Servicing
Master Plan Update**

Please be advised that the above-noted Master Plan Update has been completed in accordance with the procedural requirements of Master Plan Approach 1 as established in the Municipal Class Environmental Assessment (MCEA), dated October 2000, as amended 2007, 2011, 2015 and 2023. This approach incorporates Phases 1 and 2 of the MCEAA process into the Master Plan. In this regard, the study; defines broad infrastructure requirements within the study area and serves as the basis of future investigations. Input from the general public and various government agencies was also considered during the evaluation process.

Based on the results of the assessments undertaken above and a review of the technical components associated with the water and wastewater infrastructure, several future projects and recommendations were identified:

- Additional water supply capacity will be needed to service Bruce Power. The Municipality is currently engaged in an MCEA to investigate increasing the Water Treatment Plant capacity.
- Modify Kincardine Water Treatment Plant (WTP) disinfection process – currently under review as part of the MCEA to service Bruce Power.
- The Tiverton water supply is theoretically overcommitted. For pumphouses in Tiverton, video inspections and pumping tests should be conducted using the current pumping equipment to confirm the suspected decrease in efficiency. An MCEA will be required to increase well supply capacity (if possible), or add an additional well(s), or change the source of supply by way of connection to the Kincardine system.
- It is recommended that the reserve capacities for the Kincardine and BEC WWTPs be

regularly updated.

- A parallel or larger diameter watermain along King Street in Tiverton, north of Stanley/Cameron Streets is recommended to improve fire flows. This work should be completed in response to development needs or planned road reconstruction.
- Pump and electrical replacements at the Durham Street Sewage Pumping Station.
- Replacement of pumps at the Park Street Sewage Pumping Station.
- Sewer upgrades within the Huron Terrace SPS catchment area, including on Queen and Kingsway, and potentially McLeod and Highland depending on development area outlets. The timing for such upgrades would be dependent on development status.
- Recommend continued monitoring of station flows vs. rated capacity at Goderich Street Sewage Pumping Station, Kincardine Avenue Sewage Pumping Station and Maple Street Sewage Pumping Station.

Upon approval of the Master Plan, the Municipality of Kincardine may initiate the associated studies or steps associated with the identified preliminary preferred solutions. Given that many of the identified problems/opportunities are based on future need, the progression of development will determine the timing of implementing the recommendations in this Master Plan. The Master Plan should be reviewed on a regular basis and modified as required to address changes to the progression and rate of growth, and changes in the environmental setting and local conditions.

A Master Plan Update Report was prepared to document the study process and to define the preferred alternatives. The Notice of Master Plan Study was issued on July 19, 2023, in local newspapers and on the Municipality's website. During the 30-day review period, this report was available for public inspection online through the Municipality of Kincardine's website at www.kincardine.ca. The review period concluded on August 18, 2023 and we are not aware of any objections being filed with the Minister. A summary of comments received is provided below:

Commentor	Comments Received
Joseph Harvey Ministry of Citizenship and Multiculturalism	<ul style="list-style-type: none">• Recommended future required studies to complete technical cultural heritage studies and archaeological assessments as early as possible in the process and prior to any ground disturbing activities.
Mark Badali Ministry of the Environment, Conservation and Parks	<ul style="list-style-type: none">• No further concerns or comments presently.

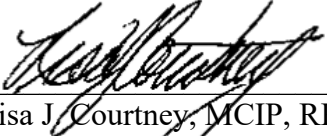
Commentor	Comments Received
Resident	<ul style="list-style-type: none">• Asked about the current Kincardine Water System; specifically, if Kincardine could be converted to a well water source rather than the lake.• Response was provided.

The MCEA component of this project is now considered to be complete and the Municipality may move forward with projects (or applicable MCEA process) identified in the Master Plan.

Yours very truly

B. M. ROSS AND ASSOCIATES LIMITED

Per



Lisa J. Courtney, MCIP, RPP
Environmental Planner

LJC:ss
Encl.