

Notice of Environmental Assessment Addendum Municipal Class Environmental Assessment for the Shedden and Fingal Master Servicing Plan

The Study

In the Spring of 2021, The Township of Southwold completed a Municipal Class Environmental Assessment to develop a municipal wastewater treatment strategy for the communities of Shedden and Fingal. The study recommended a new wastewater treatment facility to be constructed south of Shedden on Union road to provide wastewater treatment for both Shedden and Fingal in the future. This recommended location is on agricultural property owned by the Township of Southwold, and is located near the northern branch of Talbot Creek, as shown in **Figure 1**. The study was completed following the planning and design process for a “Schedule C” project, as outlined in the Municipal Engineers Association’s, Municipal Class Environmental Assessment (October 2000, as amended). Notice of Completion for the Municipal Class Environmental Assessment (EA) was issued in the Spring of 2021.

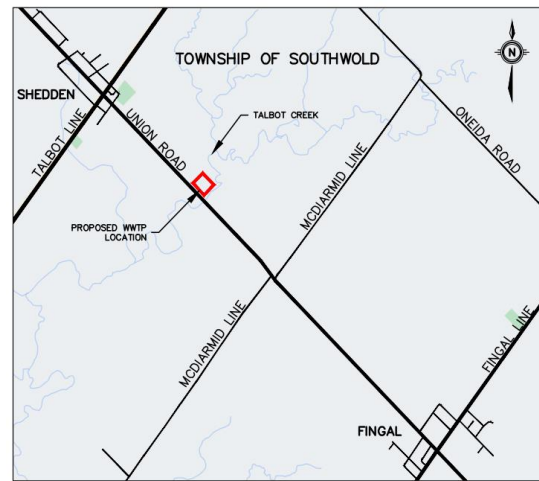


Figure 1: Proposed Wastewater Treatment Plant Location

In the Spring of 2022, the Township of Southwold retained MTE Consultants to complete the design of the wastewater treatment facility. In consultation with the Ministry of the Environment, Conservation, and Parks (MECP), and following further studies of Talbot Creek, MTE and the Township of Southwold proposed an amendment to the wastewater treatment plant’s effluent criteria that was previously identified during the EA. **Table 1** provides a summary of the proposed amendment to the effluent criteria. These changes are representative of typical wastewater effluent requirements from similar systems of scale within the area, discharging into Talbot Creek or a tributary of Talbot Creek.

Parameter	Class EA Proposed Effluent Limits	Class EA Addendum Proposed Effluent Limits
cBOD ₅ (mg/L)	5	10
Total Suspended Solids (mg/L)	5	10
Total Phosphorus (mg/L)	0.1	0.2
Total Ammonia Nitrogen (mg/L) (freezing/non freezing periods)	2/4	2/4
pH	6.5 – 9.0	6.5 – 9.0
<i>e. coli</i> (CFU/100 mL)	100	150

In addition to the Class EA addendum, the proposed effluent limits will require approval from the MECP through an Environmental Compliance Approval (ECA).

The Addendum report, including a detailed review of the proposed effluent limits and correspondence with the MECP, is available upon request.

All comments and concerns regarding the addendum to the Municipal Class Environmental Assessment should be sent directly to the following within 30 days of issuance of notice:

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519-769-2010

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Please note that all correspondence will be kept on file for use during the decision-making process throughout the project and will become part of the public record. Under the Municipal Freedom of Information and Protection of Privacy Act and the Environmental Assessment Act, any personal information such as name, address, and telephone number included in a submission may become part of the public record unless otherwise requested in the submission.

The notice was issued XXXX, 2022