

**APPENDIX L:**  
**PRESENTATION TO TOWNSHIP COUNCIL – SEPTEMBER 2017**

September 18, 2017

# Bayshore Village Effluent Spray Irrigation Class EA Study Update

# Project Overview

Schedule B Class EA (Phases 1 and 2 of the MEA Class EA process)

to find the most appropriate solution for the disposal of the effluent from the Bayshore Village treatment lagoons

- Considered range of alternative solutions
- Consulted with the affected public at two PICs
- Consulted with review agencies at multiple meetings
- Prepared final draft study report with recommendations

# PIC No. 2 – November 15, 2016

- 36 attendees plus Township staff and Council
- Opportunity to answer many questions
- Wide range of opinions on the best way to move forward
- Overall: Need to maintain or improve lake water quality

# PIC No. 2 – November 15, 2016

Alternatives presented:

1. Status quo
2. Alter spray irrigation practices (reduce frequency and application rates)
3. Establish a new spray irrigation field
4. Build effluent disposal bed and spray irrigate on South Field
5. Discontinue spray irrigation and build larger effluent disposal bed
6. Discontinue spray irrigation, upgrade sewage treatment and discharge to Wainman's Creek (Lake Simcoe)



# Final Assessment

- Continuing operation of the existing spray fields only is not a viable solution: not sufficient capacity
- Establishing additional spray fields can provide the required disposal capacity if sufficient land can be acquired. Concerns remain due to soil conditions and weather
- Constructing a communal effluent disposal bed can provide the required capacity. Cost is very high
- Adding tertiary treatment and discharging effluent to Wainman's Creek can provide the required capacity and be designed for minimal impact on water quality. Currently not allowed under LSPP

# Recommended Solutions

- No single solution meets all Township requirements, addresses all concerns, and fits within the existing legislative framework
- Pressing need to address operation and impact of existing spray irrigation system
- Two-phase approach recommended:
  - Short-term: Establish one additional spray field with usable area of 16 ha on lands adjacent to lagoons, and mitigating measures
  - Longer-term (when LSPP allows it): upgrade the treatment facility with a tertiary STP and discharge the effluent to Wainman's Creek. Discontinue spray irrigation

# Preferred Short-term Solution: Establish One New Spray Irrigation Field



Estimated project cost: \$1M  
excl. land acquisition



# Preferred Long-term Solution: Upgrade Sewage Treatment & Discharge to Wainman's Creek



Estimated project cost: \$3M

# Next Steps for Class EA Study

- Obtain final comments and concurrence from Township Council
- Finalize Class EA Study Report
- Publish Notice of Completion of Class EA
- Final Study Report available for public and agency review

# Next Steps for Township

- Advance land acquisition for spray irrigation field
- Design new irrigation system and other modifications
- Apply for an amendment to the MOECC approval
- Request revisions to the LSP and regulation at next update in 2019
- Continue discussions with MOECC and Township and complete studies as required
- Complete Class EA Phases 3 and 4 for new tertiary treatment facility
- Design tertiary treatment facility and outfall
- Apply for an amendment to the MOECC approval

# Questions?

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Class EA Study Update

