Welcome

Open House

Public Information Centre No. 1

Schedule B Class Environmental Assessment

Old Mill Sanitary Pumping Station

October 28, 2015

Conestoga College

Room 2F26

6:00 pm to 8:00 pm

Please Sign Registration Sheet and pick up an Information Package
Project Information

Schedule B Class EA
Old Mill Sanitary Pumping Station

Purpose of the Meeting: To present to the Public the study scope and objectives, technical investigations underway, proposed alternatives, preliminary criteria for assessing alternatives, and to provide an opportunity for public comment.

Project Description: Class EA study in accordance with Schedule B of the Municipal Engineers Association Municipal Class Environmental Assessment Act, October 2000, as amended (in 2007 & 2011), in compliance with the Ontario Environmental Assessment Act.

Project Funding: This project is funded by development charges.

Schedule: The Study is scheduled to be completed in early 2016. Detailed design will begin in 2016, with construction scheduled for 2017.

Project Management: MTE Consultants Inc.

Personnel to Contact: Should you have any questions or comments about this project and wish to speak with someone personally, you may call:
Linda Cooper, C.E.T., 519-741-2200 ext.7974, linda.cooper@kitchener.ca
Dave Wilhelm, P.Eng., 519-743-6500 ext.1225, dwilhelm@mte85.com
Welcome to this Public Open House Information Session, organized by the City of Kitchener, Infrastructure Services Department, Engineering Services Division.

The purpose of this open house is as follows:

To provide an opportunity for the public and property owners to meet with the project team members on an informal basis to discuss issues and design details.

To present the study scope and objectives, proposed alternatives, and preliminary evaluation criteria.

To provide a forum for comments by the public and property owners, which may be taken into account in the project design.

All attendees are invited to:

- Sign the attendance sheet
- Meet with the project team members
- Review the displays the proposed alternatives and discuss any design issues, impacts on your community and/or property,
- and any other issues that you feel may be relevant with project team members
- Complete a “comment sheet”, outlining any suggestions, concerns, support, recommendations, or other thoughts concerning this project.
What is a Class Environmental Assessment?
The Class Environmental Assessment (EA) process is a formal process approved under the Ontario Environmental Assessment Act that must be undertaken in advance of any construction improvements to ensure that all reasonable alternatives are considered.

The Class EA provides the framework for municipalities to plan, design and construct municipal infrastructure projects. This project is being planned as a “Schedule B” Class EA project. For additional details regarding the Municipal Class EA process please refer to Appendix A in the information package or speak to a project team member.

Who is Directing the Study?
A “Project Team” consisting of staff from various City of Kitchener departments (Engineering, Operations, Environment, Heritage, Parks), Grand River Conservation Authority, and a consultant team headed by MTE Consultants Inc.
Class EA Process

PHASE 1
- PROBLEM OR OPPORTUNITY
  - IDENTIFY PROBLEM OR OPPORTUNITY
  - DISCRETIONARY PUBLIC CONSULTATION TO REVIEW PROBLEM OR OPPORTUNITY
  - DETERMINE APPlicABILITY (See Section A.2.7)

PHASE 2
- ALTERNATIVE SOLUTIONS
  - IDENTIFY ALTERNATIVE SOLUTIONS TO PROBLEM OR OPPORTUNITY
  - INVENTORY NATURAL, SOCIAL, ECONOMIC ENVIRONMENT
  - IDENTIFY IMPACT OF ALTERNATIVE SOLUTIONS ON THE ENVIRONMENT AND MITIGATING MEASURES
  - SELECT SCHEDULE (APPENDIX I)

PHASE 3
- ALTERNATIVE DESIGN CONCEPTS FOR PREFERRED SOLUTION
  - IDENTIFY ALTERNATIVE DESIGN CONCEPTS FOR PREFERRED SOLUTION
  - DETAILED INVENTORY OF NATURAL, SOCIAL, AND ECONOMIC ENVIRONMENT
  - IDENTIFY IMPACT OF ALTERNATIVE DESIGNS ON THE ENVIRONMENT AND MITIGATING MEASURES
  - EVALUATE ALTERNATIVE DESIGNS: IDENTIFY RECOMMENDED DESIGN

PHASE 4
- ENVIRONMENTAL STUDY REPORT
  - COMPLETE ENVIRONMENTAL STUDY REPORT (EMP)
  - NOTICE OF COMPLETION TO REVIEW AGENCIES AND PUBLIC
  - COPY OF NOTICE OF COMPLETION TO MOE-EA BRANCH

PHASE 5
- IMPLEMENTATION
  - OPPORTUNITY TO REQUEST MINISTER WITHIN 30 DAYS OF NOTIFICATION TO REQUEST AN ORDER
  - COMPLETE CONTRACT REQUIREMENTS AND TENDER DOCUMENTS

Purpose of Study

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Background:
The existing Old Mill Sanitary Pumping Station was constructed in 1969 and has been identified by the City of Kitchener as requiring upgrades in order to bring the station into compliance with current City standards and to accommodate future growth. In particular, the existing station has no emergency storage capacity. This has resulted in discharge of sewage to the Grand River in the past.

Problem Statement:
The Class EA study will address the following Problem Statement:

“To improve and bring into compliance with current City of Kitchener and MOECC standards the Old Mill Sanitary Pumping Station (OMSPS) and tributary sewer system as necessary to accommodate future development and to determine the preferred alternative for implementing such improvements while maintaining the objectives of: protection of the environment; minimal disruption to residents and surrounding areas; engaging a broad range of stakeholders; and documenting the study process in compliance with the Municipal Class Environmental Assessment Schedule “B” process.”
Alternatives

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The following alternatives will be evaluated in order to determine the “preferred alternative”. In accordance with the Class EA process, the option to “do nothing” is one of the alternatives:

- **Alternative 1**: Do Nothing;
- **Alternative 2**: Expand capacity of Old Mill SPS and provide emergency storage on north side of Old Mill Road;
- **Alternative 3**: Replace existing station with a new station and emergency storage on the south side of Old Mill Road;
- **Alternative 4**: Expand capacity of Old Mill SPS on north side of Old Mill Road and provide emergency storage on south side of Old Mill Road;
- **Alternative 5**: Replace existing station with a new station and emergency storage west of Schneider Creek on the south side of Old Mill Road;
- **Alternative 6**: Eliminate pump station using a siphon under Schneider Creek and constructing a gravity sewer.

As part of the evaluation of Alternatives 2 to 5, the Project Team is also examining the possibility of re-directing a portion of the sanitary sewer flow from Old Mill Pumping Station to Homer Watson Pumping Station in order to reduce the size of Old Mill Pumping Station.
Service Area

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Old Mill Sanitary Pumping Station
Alternatives

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Alternative 1: Do Nothing
**Alternatives**

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**Alternative 2:** Expand capacity of Old Mill SPS and provide emergency storage on north side of Old Mill Road
Alternative 3: Replace existing station with a new station and emergency storage on the south side of Old Mill Road.
**Alternatives**

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**Alternative 4:** Expand capacity of Old Mill SPS on north side of Old Mill Road and provide emergency storage on south side of Old Mill Road
Alternative 5: Replace existing station with a new station and emergency storage west of Schneider Creek on south side of Old Mill Road
Alternative 6: Eliminate pump station using a siphon under Schneider Creek and constructing a gravity sewer.
Evaluation Criteria

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To help guide the study, alternatives will be evaluated according to the following criteria:

- **Natural Environment:** How do the alternatives compare with respect to effects on existing vegetation, water quality, wildlife and aquatic habitat, wetlands, terrestrial resources, woodlands, species at risk, groundwater resources, surface drainage and the floodplain?

- **Social Environment:** What impacts will the alternative have on the local community (e.g. noise, odour, traffic / parking, recreational facilities, etc.)? What are the anticipated impacts during construction?

- **Heritage & Cultural:** What are the potential impacts upon the heritage significance of heritage structures or landscapes and the potential disturbance of archaeological resources?

- **City Operations:** How do the alternatives compare with respect to the operation of the pump station (safety, emergency response, maintenance, site access / parking, capacity)?

- **Technical:** How do the alternatives compare with respect to technical feasibility? Are there concerns regarding slope stability, flow re-routing, regulatory/agency approval, etc.? Does the alternative meet current City design standards?

- **Economic:** How do the alternatives compare with respect to anticipated capital & operating costs?
Next Steps

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1. Evaluate Alternatives: The project team will evaluate the proposed alternatives based on the evaluation criteria, giving consideration to the comments received from the Public and agency input to determine the Preferred Alternative.

2. PIC #2: Once a Preferred Alternative has been identified, a second PIC will be held to present the Preferred Alternative to the Public. The second PIC is scheduled to be held in early 2016.

3. Study Completion: Following PIC#2, an Environmental Study Report will be filed in the public record. This filing will be advertised by mail-outs and newspaper notices. If someone feels that the study did not fully address all of the issues, they can request that the Minister of Environment order the Project to a more detailed environmental assessment for a period of 30 days.

4. Project Completion Barring any Ministry orders received during the 30 day review period, detailed design of the Preferred Alternative is scheduled to begin in mid-2016, with construction to follow in 2017.