

**Halton-Hamilton Source Protection Committee Sector Engagement 2020-21**  
**Engagement with the industrial commercial sector**  
**By Sarah McQuaig, industrial-commercial representative on the Committee**

Engagement type: Online event

Date: February 17, 2021

Time: 12-1pm ET

**Questions and Answers**

**Question:** Will the presentation be made available?

**Answer:** Sarah confirmed that the presentation will be made available by email, following the event.

**Question:** How many Risk Management Plans are still to be negotiated in the source protection region?

**Answer:** Approximately four; note that this number can change based on updates to wellhead protection areas, field verification of threat activities, and other circumstances.

**Question:** Are there any additional requirement of source protection plan policies that could apply to a waste processing site at the Hamilton Harbour, where the site requires an environmental compliance approval?

**Answer:** If the site is in the Woodward intake protection zone, waste processing sites are not a significant threat activity and mandatory policies would not apply.

**Question:** Is there an interest in the source protection committee participating in local emergency response exercises by Trans Northern Pipeline Inc. (TNPI)? TNPI conducts liaison and education sessions for municipalities, first responders, etc. They are looking for more engagement sessions and can talk about how they prevent and prepare for emergencies.

**Answer:** In the past, the conservation authority staff have participated in such exercises and brought back information to the committee. TNPI can also make a presentation to the committee at one of its meetings and have had a TNPI consultant present in the past.

**Question:** Is there a concern with prevalence of combined sewage overflow events into Hamilton Harbour and the effect that these events may have on drinking water?

**Answer:** Modelling work was conducted for a scenario of the failure of wastewater treatment plants within and near the Hamilton Region Source Protection Area, to simulate effluent discharges without disinfection. E.coli is anticipated to reach the intake even after dilution. The water treatment plant can handle the E. coli. However E. coli is an indicator of other kinds of pathogens that could create problems for drinking water sources. Furthermore, turbidity in the nearshore water may shelter pathogens and lessen the effectiveness of the disinfection processes. Therefore an intake protection zone-three (IPZ-3) is delineated and policies apply within these zones.

**Question:** Can we have access to the background hydrogeological and groundwater studies? These would be helpful while dealing with brownfield/remediation sites.

**Answer:** The science-based assessment reports and the background technical studies are available online [www.protectingwater.ca](http://www.protectingwater.ca)

**Question:** Have there been any event-based risk modelling assessments for TNPI or Imperial pipelines, like the IPZ-3 shown?

**Answer:** The modelling was done for oil pipeline ruptures at the water crossings of Sixteen Mile creek and Joshua Creek located about two kilometres from the Lake Ontario shore.

**Disclaimer:** The information provided are not to be construed as legal advice. The information does not include all relevant facts and the most up-to-date research. The presenters and organizers are not liable in the event that omissions or errors occur. The material provided is a summary and should not be taken as being complete accurate representation. Readers are directed to the Clean Water Act, 2006 and its regulations.

Sarah McQuaig

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