

# Thames – Sydenham and Region Drinking Water Source Protection Source Protection Committee Discussion Paper

**Report to** Chair and members  
Thames – Sydenham and Region  
Source Protection Committee

**Agenda #** 2010.11.7b.v

**Cc** SP Management Committee

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**Re:** Source Protection policy development framework

## ***Background***

This paper is meant to summarize previous discussions and give further structure to the policy development framework.

The Thames-Sydenham SPC decided to address the Source Protection Plan for all three Source Protection Regions concurrently. Policies for inclusion will be addressed as follows:

- Mandatory policies, such as significant threats and monitoring policies will be addressed first.
- Optional policies relating to spills, transportation corridors, and transport pathways will also be considered.
- Moderate and low threats where they may become significant will be included.
- Policies for water quantity threats will be visited in an updated SPP, once the Tier 3 water budget is completed and included in an updated Assessment Report.
- Policies for moderate and low threats and for HVAs and SGRAs will be parked and timelines for the inclusion of these reassessed as the SPP development process evolves.

At the last SPC meeting, the organization or structure for the policy discussions was decided to be grouped by similar threats. It was decided that threat background/discussion papers for each would be presented to the committee to be taken through the policy development process.

It was also agreed that the Thames-Sydenham SPC would test the policy development process with a septic threat policy discussion paper. Staff will also work with Dean Edwardson to develop a DNAPL discussion paper. Based on how the process flows, adaptations can be made to the process flowchart before inclusion in the SPP work plan.

## ***Discussion***

### Organization of policy discussions

The Thames-Sydenham and Region SPR will be working together with other SPRs across the province to avoid duplication of effort in the compiling of background information that applies consistently across the province. The Thames-Sydenham SPR staff will be involved in a few working groups to compile some of these background materials, one of which will focus on DNAPLS. Further discussion and information specific to our region will build upon this background.

The following list includes the 21 prescribed drinking water threats and organizes them into the proposed Drinking Water Threat Policy Discussion Paper groupings:

#### Waste disposal and sewage:

- Hauled sewage
- Waste disposal
- Stormwater
- Wastewater
- Septic systems
- Industrial sewage

#### Agricultural threats (Managed Lands):

- Agricultural source material
- Non-agricultural source material
- Fertilizer
- Pesticides
- Livestock pasturing and outdoor confinement

#### Other Chemical Threats:

- Fuel
- Organic Solvents and DNAPLS

#### Transportation

- Road salt
- Snow storage
- Aircraft de-icing
- Transportation: addressing spills

#### Water quantity

#### Transport Pathways

- Wells
- Other types of transport pathways (affecting vulnerability) that result in an activity being a significant threat or endanger the drinking water source.