

# MINUTES

## HALTON-HAMILTON SOURCE PROTECTION COMMITTEE MEETING #5-10

**Best Western Inn & Conference Centre – Chisholm Room  
161 Chisholm Drive, Milton  
August 24, 2010: 9:30 a.m. – 3:30 p.m.**

<b>SPC Attendees:</b>			
Paul Attack	Susan Fielding (from 11:30 a.m.)	Glenn Powell	Melanie Horton
Peter Ashenhurst	Adam Kuehnbaum	Chris Shrive	Turlough Finan
Doug Cuthbert	Teri Yamada	Gavin Smuk	Barry Lee
Nick DiGirolamo			
<b>Regrets SPC/Other Regrets:</b>			
Jacqueline Weston	Margaret McCarthy	Dave Braden	Kathy Menyes
<b>Other Attendees:</b>			
Diane Bloomfield, Project Manager	Bob Edmondson, Conservation Halton	John Westlake, MOE Liaison	
John McIntosh, Halton Region	Tom Renic, Halton Region	Steve McKinnon, Halton Region	
Jacek Strakowski, Source Protection hydrogeologist	Sheila O'Neal, Hamilton-Halton Watershed Stewardship Program		





ITEM	TOPIC/DISCUSSION	ACTION REQUIRED
	Lunch 12 p.m. to 1 p.m.	
9. con't	<p>Woodward IPZ-2 method – Stantec indicated that data were not available to determine the 2 hour time of travel within the creeks and storm sewer network to delineate an IPZ-2. They used professional judgment based on the delineation of the IPZ-2s in Halton and extended the zone to the base of the escarpment. MOE has questioned this. Staff recommends leaving it as is. This is a conservative delineation that can be modified once appropriate data are available. Significant threats cannot occur in an IPZ and therefore it does not alter our threat counts.</p> <p>Wellhead protection area vulnerability – SWAT vs WWAT  Earthfx used surface to well advective time (SWAT) to assess vulnerability. The data used for the unsaturated zone are limited and quality is not good. To be conservative and to protect the municipal water supplies, Earthfx only used the saturated zone results of the model – water table to well advective time (WWAT). MOE has questioned this. York Region applied to the MOE to be able to use WWAT as an alternate method and were approved. Staff have submitted a similar letter and expect approval.</p> <p>Chloride and sodium – issue or not under the <i>Clean Water Act</i>? Campbellville and Greensville wells  Issue criteria: Concentrations may result in the deterioration of the quality of the water for use as a source of drinking water; or there is a trend of increasing concentrations of the parameter at the well or monitoring well and a continuation of that trend would result in the deterioration of the quality of the water for use as a source of drinking water.</p> <p>Concentrations are high – chloride occasionally exceeds the treated water aesthetic standard. Sodium has always remained below.  No increasing trends evident in the past 10 years or so. Historically, Campbellville well 1 concentrations have increased in steps.  Operators have stated the high concentrations are not an issue.  Greensville raw and treated data show treatment stabilizes output concentrations.  Campbellville area of Hwy. 401 receives a lot of salt due to the escarpment slope.  Contact with MTO regarding road salt application has occurred on numerous occasions by Halton Region.  Road salt management plans in place at Halton Region and City of Hamilton.</p> <p>Bromide – initially designated bromate as an issue – doesn't quite fit the criteria of an issue because it is a by-product of the treatment process rather than in raw water supply. Halton Region requested that it not be identified as an issue. Discussion will remain to inform future reviews.</p> <p>Manganese naturally occurring in the source water of the Kelso well field. Treatment in place to remove it. Aesthetic parameter, not a health concern. Not an issue.</p> <p>Managed lands and livestock density – method of using a one square kilometre grid is acceptable to MOE. Focuses on areas where there could be an intensification of land use.  Required to assess farm buildings based on their capability of housing livestock not whether there is livestock there now. Their use could change next year.  Concern that the mapping will be used for other purposes.  Following discussion, decision to add the limitations of the livestock density and</p>	<p><i>Gavin to provide text for Appendix E.</i></p>

