



Halton-Hamilton  
Source Protection  
Region

# **SPC Meeting**

## **September 17, 2019**

Diane Bloomfield, Manager

MEETING NUMBER: 2-19  
 DATE: June 18, 2019  
 TIME: 1:30 p.m. to 3:45 p.m.  
 LOCATION: Conservation Halton, 2596 Britannia Rd W, Burlington – Grindstone Room

**MINUTES – draft**

SPC Attendees:

Bob Edmondson  
 Turlough Finan  
 Dan Banks  
 Michael Kandravay  
 Glenn Powell  
 Judi Partridge  
 Dana Couture  
 Bert Andrews

Absent with Regrets:

Gavin Smuk Proxy held by Glenn Powell  
 David Rodgers Proxy held by Turlough Finan

Other Attendees:

Beth Forrest, Liaison, MECP  
 Tony Colaco, Liaison, Health  
 Scott Peck, Liaison, Hamilton Conservation Authority  
 Barb Veale, Liaison, Conservation Halton  
 Jen Crosswell, RMO, Niagara Region  
 Diane Bloomfield, Conservation Halton

1. Roll Call and welcome
2. Disclosures of conflict of interest – None
3. Acceptance of agenda

HHSPC 19-05 Moved by Judi Partridge and seconded by Glenn Powell  
 That the agenda be accepted as distributed.

Carried

4. Approval of Source Protection Committee meeting minutes dated March 19, 2019  
 Discussion on the detail provided in the minutes resulted in direction that SPC members are to request more detail when the draft minutes are reviewed if they believe it is warranted.

That the minutes of the March 19, 2019 meeting of the Halton-Hamilton Source Protection Committee be approved as distributed.

Carried

5. Business arising from March 19, 2019 minutes

- Dan Banks reported back on the question of the quantity of water conserved due to leak detection and pipe repairs for the Kelso municipal system. The measurements would have to be taken during the water main pipe repairs and this was not done.
- Diane Bloomfield reported back on whether there is evidence that the *Nutrient Management Act* and its regulations adequately manage moderate and low threat activities as stated in OMAFRA's report for 2018. OMAFRA indicated that the standard of the regulation is adequate due to the process followed to write the regulation and the stringent requirements included. They also have reviewed specific plans and strategies in some areas where low and moderate threats exist and have found that no additional conditions were needed for the protection of drinking water.

6. MECP Liaison's Update – Beth Forrest

- A project manager meeting was held last week – staff reviews of Conservation Authority 2020/21 funding submission packages are complete, and the packages are under review by senior management.
- A source protection chairs' conference call is scheduled for next week.
- The annual progress reports are under review and analysis and a provincial roll up could be presented next meeting.
- Bill 108, *An Act to Amend Various Statutes with Respect to Housing, Other Development and Various Other Matters* received royal assent recently and the source protection program is considered a mandatory program of conservation authorities. Great Lakes and Inland Waters Branch is the lead for the Ministry. Source protection remains a priority for the government.
- Several S.34 amendments to source protection plans are expected this year including one for the Freelon system
- S.36 – about 10 source protection regions are waiting to receive their Minister's Order following work plan review and the final 3 work plans for source protection plan updates will be submitted this fall.

7. Extranet Site – Diane Bloomfield

- A website for the SPC members is being set-up
- Diane couldn't share the extranet site due to technical difficulties but discussed the possible content of the site
- The site will be the hub for all documents, forms, meeting information, etc.
- Committee members requested that communications materials, chairs' meeting agendas and slide decks, and links to municipal, conservation authority and other regions/areas be added to the site
- Members will use their own e-mail and passwords to access the site
- An e-mail will be sent to notify members when the meeting agenda package and other important documents are posted
- Note that we will try to use digital agendas and draft minutes rather than printing copies for each meeting. If it doesn't work, we will return to printed copies.
- Members will be encouraged to share documents, news articles with others on the site
- Diane will send out instructions and will provide an on-line tour of the site at one of the next meetings

Staff were directed to provide instruction on how to use the site.

8. Source Protection Program and 2019/20 Work Plan
  - a) Bill 108, Schedule 2 – Conservation Authorities Act S21.1(1) makes mandatory the programs and services related to the authority’s duties, functions and responsibilities as a source protection authority under the Clean Water Act, 2006. The standards and requirements for provision of this program will be prescribed in regulation. An authority may determine the amounts owed by municipalities in connection with the programs and services.
  - b) Local program Update
    - i. awaiting finalization of provincial agreements and funding. Working without agreements and funding since April 1.
    - ii. GIS/Data Specialist position is vacant and hopefully will be staffed soon
    - iii. A SPC Chairs’ on-line meeting is scheduled for June 26
    - iv. SPC member interviews are scheduled for June 26 – final 2 member positions for turnover until 2021
    - v. MECP will be releasing Phase 2 of the Threats Review update for program managers’ response prior to release to public – expected to include more on climate change, DNAPL, organic solvents, sewage works, biosolids, NASM and hauled sewage, waste disposal sites, stormwater management facilities, pesticides
  - c) Annual progress report follow-up is ongoing – letters were sent to NEB, OEB, Agrichemical Warehousing Standards Association (AWSA) regarding the policies they are to implement, and letters will be sent to MECP, MMAH and de-icing contractors
    - AWSA responded on June 17 outlining the protocols in place that protect drinking water. The protocols were discussed and the committee identified the need for direct reference to buffers from drinking water wells, water system operator notification in case of spills, standards for existing operations, particularly illegal non-conforming, rather than new builds, whether 110% capacity is sufficient, the transportation to and from the properties and the standards for handling of pesticides on-site, wash-water disposal, and what a risk assessment entails. Bob will respond requesting to meet with them to discuss the committee’s concerns. He will discuss the letter with Gavin Smuk and asked Michael Kandravay for his assistance for the meeting.

ACTION: Bob to report back at the September SPC meeting

- d) Letters were sent to Imperial Oil and Sun-Canadian Pipelines regarding re-assessing the significance of their pipeline operations outside the intake protection zones – discussion with Imperial Oil starts this week
- e) The work we’re doing in 2019/20 includes
  - hosting four SPC meetings
  - continuing the Chair’s sector outreach program with a focus on road salt
  - aligning the provincial annual progress reporting database with our policies and tracking and working with municipalities to simplify their reporting
  - updating the website and releasing more GIS data on Conservation Halton’s Open Data Hub
  - updating the source protection plan and assessment report following the City of Hamilton’s work to increase the water taking at Freelon well FDF01 – the plan amendment will be completed in Q1 2020
  - items identified in the S.36 work plan to review and update the source protection plan, including

- i. updates to comply with changes to Technical Rules and Tables of Circumstances
- ii. reassessment of IPZ vulnerability based on Rule 95.1 (September meeting)
- iii. reassessment of Campbellville municipal well water quality and need for an issue contributing area (September meeting)
- iv. start discussions on format changes to provide clarity on where policies apply
- v. high level assessment of changes to Tier 1 water budget components (December meeting)
- vi. redeliniation of Woodward intakes IPZ-2 (December meeting)
- vii. reassessment of managed lands and livestock density maps based on current land uses
- viii. update of all figures to replace Hamilton CA logo
- ix. review low and moderate threats within highly vulnerable aquifers to link to Provincial Policy Statement to assist planners

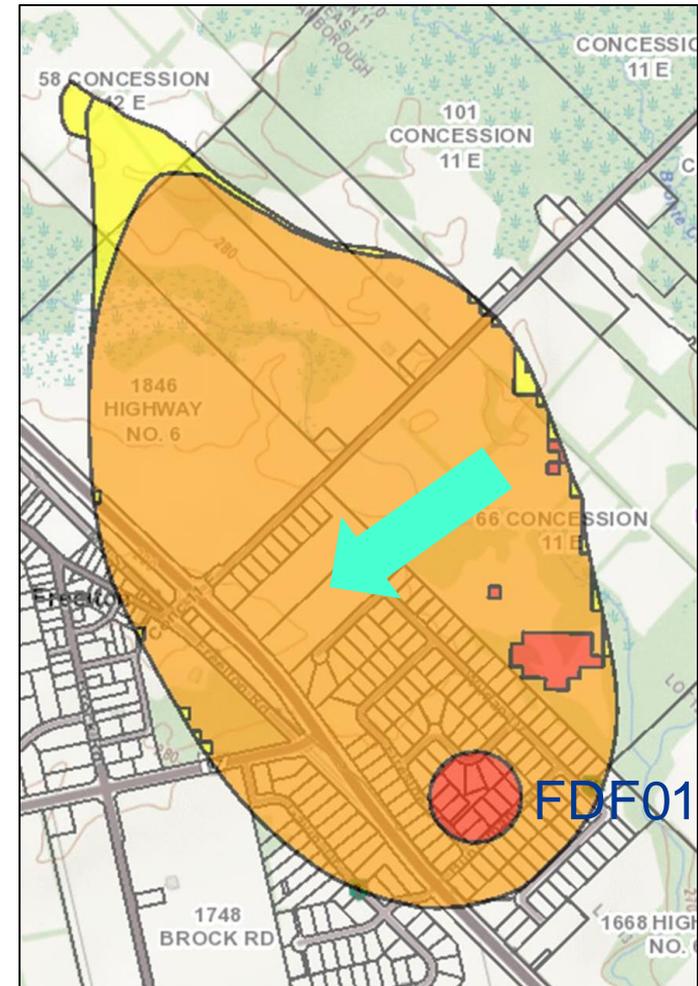
9. Source Protection News – Diane Bloomfield (for details see SP News presentation slide deck)
  - NEB approved the sale of Enbridge Line 10 pipeline to Westover Express and they will be responsible to maintain and monitor the active and decommissioned pipes
  - Enbridge is proposing to build a new gas pipeline from Kirkwall to just east of Highway 6
  - Environmental Farm Plans can be completed online using a tool developed by Ontario Soil and Crop Improvement Association
  - Boards of the International Joint Commission have a number of projects ongoing in 2019 – see slide 16 for list
  - Blue Accounting Initiative is tracking data on cargo volume, cargo value, container cargo volume, cruise tourism, navigation lock reliability and participate in the Green Marine environmental performance certification program
  - Great Lakes organizations submitted a 10-year action plan to the Minister of ECC on June 18, 2019 requesting the federal government invest \$100 million per year over 10 years to address climate change, toxics and other harmful pollutants, nutrients that contribute to harmful algal blooms, and bacteriological contamination of beaches
  - Great Lakes and St. Lawrence Cities Initiative have partnered with TruGreen Company to educate the public on issues related to protecting water quality, smart use of water, promoting pollinator health and the environmental and human health benefits of properly maintained lawns and green spaces
  - An expansion of the Kraft Heinz cheese plant in Lowville, NY to make string cheese resulted in more jobs but also water quantity issues in the community and water rate increases
10. A tour of one lake-based and one well-based municipal water plant was proposed for the September SPC meeting. Members will meet at Hamilton Conservation Authority office **at 12 pm** for a quick sandwich before car-pooling to the plants. We’ll return to Hamilton Conservation Authority for a brief meeting.
11. Other business
  - Glenn Powell indicated that DDT has been found in frogs in Cootes Paradise. Environment Canada is looking into it and staff should follow this story to see if there are source protection implications
12. Adjournment

# Hamilton Subdivision Within Freelon WHPA

- A recent decision by the Local Planning Appeal Tribunal on a case involving the Freelon FDF01 WHPA

## The Case

- The City of Hamilton recommended 0.4 ha lots to better protect water quality and provide for standard septic systems in accordance with City policy, and a delay until the City finalized their increased water taking studies for FDF01 and receive an updated licence from the province
- The applicant asked for 0.2 ha lots using Waterloo Biofilters to reduce nitrogen loadings from septic effluent, and suggested that the City could find efficiencies and implement conservation measures to have sufficient water supply capacity



# Hamilton Subdivision Within Freelon WHPA

## The Decision

- The applicant's appeal was allowed
- Waterloo Biofilters are shown to work in other locations
- The City could make sufficient capacity of water available

## Source Protection Implications

- Waterloo Biofilters have been tested to be efficient at nitrogen, bacteria, suspended solids removal, etc. resulting in better quality effluent than a standard septic system, however, the amount of effluent released to the environment from twice as many homes will be double
- Service and maintenance contracts with authorized contractors are required (costs reported are between \$300 and \$500 per year for contract and emergency calls ([https://homestars.com/companies/2567345-waterloo-biofilter-systems-inc?reviews\\_page=2&](https://homestars.com/companies/2567345-waterloo-biofilter-systems-inc?reviews_page=2&)). The Building Code states - the person providing the service and maintenance shall notify the Chief Building Official if the agreement is terminated or if access for maintenance is denied (ss 6.2.2)



# Hamilton Subdivision Within Freelton WHPA

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- Third-party study could not find source of non-revenue water but Tribunal found that the City should find ways to reduce it
- Tribunal found that the City should implement water conservation measures to reduce maximum day demand (need 15% reduction)
- Increased water taking studies ongoing – planned for completion in early 2020
- Tribunal stated that the PPS provides clear direction that
  - settlement areas shall be the focus of growth and development – opportunities for intensification and redevelopment
  - use densities that efficiently use land and infrastructure that is planned or available
  - infrastructure shall be provided in a co-ordinated, efficient, and cost-effective manner that considers impacts from climate change and which accommodate projected needs
  - the use of existing infrastructure should be optimized before new infrastructure is considered
  - planning for sewage and water services shall ensure that these systems are provided in a manner that can be sustained by the water resource, are feasible, financially viable and comply with all regulatory requirements, protect human health and the natural environment, and promote water conservation and water use efficiencies

# Policy L-2-S

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To reduce the risks to drinking water sources from the construction of pipelines conveying oil across open water bodies,

- a. the National Energy Board and the Ontario Energy Board in their consideration of any oil pipeline application where this activity would be a significant drinking water threat are requested to ensure that the applicant has complied with or included appropriate design standards, monitoring, and maintenance practices that when implemented will prevent a pipeline from becoming a significant drinking water threat.
- b. the Source Protection Department of the Halton Region and Hamilton Conservation Authorities shall consult with the National Energy Board and the Ontario Energy Board to determine if pipeline design standards and the requirements for monitoring and maintenance practices in vulnerable areas consider drinking water source protection.