

Halton-Hamilton Source Protection Region

MINUTES

HALTON-HAMILTON SOURCE PROTECTION COMMITTEE MEETING # 1-16

Conservation Halton Administration Office, Burlington March 22, 2016 2:00 pm to 4:50 pm

SPC Attendees:				
Bob Edmondson	Nick DiGirolamo	Daisy Rad	digan	Bert Posedowski
Adam Gilmore	Gavin Smuk	Glenn Powell		David Rodgers
Regrets SPC/Other Regrets:				
Michael Barton	Dave Braden	Andrea Doherty		Turlough Finan
Judi Partridge				
Other Attendees:				
Scott Peck, HCA	Beth Forrest, MOE Liaison	ECC	Tony C Liaisor	colaco, Health
Kathy Menyes, CH (2:19 pm)	Carmen Vega, City Hamilton	y of	Jean W	/illiams, CH
Lisa De Angelis, Region of Halton	Diane Bloomfield,	HHSPR	Jenn S	imons

ITEM	TOPIC/DISCUSSON	ACTION REQUIRED
	Roll Call	
	Notification was given that: Daisy Radigan held proxy of Turlough Finan Gavin Smuk held proxy of Andrea Doherty and Dave Braden Bert Posedowski held proxy of Judi Partridge	
1.	Bob Edmondson indicated that at recent meetings the Source Protection Authorities appointed interim members to the SPC: Adam Gilmore and Dan Tovey – representing Halton Region group David Rodgers – representing Township of Puslinch and County of Wellington Reappointment of Dave Braden and Glenn Powell – to satisfy regulatory requirements Adam Gilmore and David Rodgers introduced themselves.	
	Disclosures of Conflict of Interest	
2.	None	
	Review of Agenda – 2 changes – spelling of Forrest and addition to #9 resolution	
	Acceptance of Agenda:	
3.	HHSPC 16-1 Moved by: Daisy Radigan Seconded by: Bert Posedowski	
	THAT the agenda be accepted as amended.	
	Carried	
	Approval of Source Protection Committee Meeting Minutes of December 8, 2015	
4.	HHSPC 16-2 Moved by: Glen Powell Seconded by: Gavin Smuk	
	THAT the Source Protection Committee meeting minutes of December 8, 2015 be approved as distributed.	
	Carried	
	Business Arising from December 8, 2015 SPC meeting minutes	
	• Bob Edmondson reported that the Halton Region staff report was sent to SPC on January 6, 2016.	
	Beth Forrest	
	 confirmed that the current version of the annual reporting requirements can be 	
5.	circulated to municipalities	
	 confirmed that the MOECC continues to work on Framework for the Stewardship Program 	
	- CTC decided not to request MTO road signs for Hwy 7 in Georgetown	
	 Clarification received on January 7, 2016 that appointees to SPC must comply with legislated criteria even if a municipal nominee 	
	Source Protection Region News – Diane Bloomfield	
6.	Glenn Powell attended Water: A Right or a Resource held on February 4 th as part of	
<u> </u>		1

ITEM	TOPIC/DISCUSSON	ACTION REQUIRED
	 International Development Week at Humber College and provided a summary – focus of panel discussion was water quantity, however, Glenn pointed out at the session that the water conserved must be clean 2016/17 budget will include funding to complete the Tier 3 study of the new Hamilton back-up well and water quality WHPA delineation of the existing Greensville municipal well using the Tier 3 model. Diane is discussing with the City the delineation of WHPAs for the back-up well. The modelling of Lake Ontario threats has again been denied. Source protection is expanding to First Nations communities with a proposed pilot study in Matawa First Nations communities in 2016/17. A committee of federal/provincial/Chiefs of Ontario is proposed to consider water issues of First Nations including infrastructure and source protection. EBR #012-6904 - Large building annual energy and water use reporting and GHG emissions benchmarking – commenting period until April 10, 2016 – water consumption reporting Water Quality in Ontario 2014 Report released 	Diane to send out Water Quality in Ontario 2014 Report
7.	 Implementation Preparation - City of Hamilton- Carmen Vega, PDF attached the City of Hamilton formally appointed the Risk Management Official (RMO) and Risk Management Inspectors (RMIs) and set up the Risk Management Office on December 15, 2015 Implementation includes Training of City staff (January 2016) Mail out to property owners in all WHPA on new screening process (Feb-March) Screening of development applications (April-May) Field verification of threats and negotiation of risk management plans (June-Dec) Further E&O, inspections & stewardship projects (2017-18) Future Threats April 1, 2016 screening of development applications and training of 56 building and planning staff commences Rural Official Plan Amendments included source protection policies Woodward Ave Spill Prevention and Emergency Response Plans have been updated to include IPZs Other activities Prepare Annual Reports – 1st RMO report submitted (Feb 2016) Prepare Council communication New SPC municipal representative Information up-date Develop an internal source protection database and web-interface Conduct Municipal Class Environmental Assessment Studies that include source protection planning for two new potential wells in Lynden and Greensville On-going participation in source protection committees and working groups Looking into incentives for septic inspection program, however, nothing taken to Council yet 	

ITEM	TOPIC/DISCUSSON	ACTION REQUIRED
8.	 MOECC Liaison Update – Beth Forrest Joint Advisory Committee has drafted a proposal for stewardship funding for policy implementation; no details as of right now but will continue updates. Discussion at the Chairs' meeting March 30/31 will focus on steady state of program. MTO is installing the road signs where previously requested. MOECC working through comments received on annual progress reporting framework. Source Protection Environmental Monitoring (SPEM) interactive mapping program is online and can be used to look at vulnerable areas in relation to properties. 	Beth Forrest to report back on confidentiality of RMO reporting on property details
9.	2015 Annual Reports- Diane Bloomfield HHSPC 16-3 Moved by: Gavin Smuk Seconded by: Adam Gilmore THAT the Halton-Hamilton Source Protection Committee receives for information the 2015 Annual Reports submitted by • Township of Puslinch Risk Management Official – Kyle Davis • County of Wellington – Gary Cousins • Halton Region Risk Management Official – Jon Clark • City of Hamilton Risk Management Official – Carmen Ches • Region of Peel Risk Management Official – Mark Schiller • Niagara Region Risk Management Official – Deanna Barrow Carried	
10.	 Source Protection Municipal Implementation Fund (SPMIF) - Diane Bloomfield The Township of Puslinch and County of Wellington received funding to assist with implementation Municipalities requested extensions to spending period until after plans approved Extension was granted for spending until march 5, 2017 and the funding can be used for a broader variety of tasks 	
11.	 Halton-Hamilton Source Protection Committee Proposed Changes – Diane Bloomfield Source Protection Authorities approved the reduction in size of the Halton-Hamilton Source Protection Committee from 15 members to 9 plus chair. The proposed member structure is one municipal representative from each municipal group: Halton Region, Burlington, Oakville, Milton, Halton Hills, Peel Region and Mississauga Hamilton, Niagara Region and Grimsby Puslinch and Wellington County Economic sector two agricultural representatives - one from Hamilton-Wentworth and one from Halton, preferably from different types of agricultural business 	

ITEM	TOPIC/DISCUSSON	ACTION REQUIRED
	 one commercial/industrial representative Environmental/health/general public sector one environmental representative two general public/health Terms of appointments for municipal representatives will align with the election cycle Existing member terms expiry are staggered between 2017 and 2019 and New non-municipal representatives will have terms of 5 years Three SPC meetings are planned for 2016/17 – technical work There will be a standing meeting in late February once Authority annual reports are due because they must be given to the SPC 30 days in advance 	
12.	 MOECC Proposed Short-term Technical Program Changes – Diane Bloomfield The proposed changes to the Technical Rules for Assessment Reports and Tables of Drinking Water Threats were discussed for submission by Diane to MOECC The proposed changes may impact mapping, document text and policies In general the changes are to add definitions, to clarify intent, to add new study methodologies, to add new threats, etc. 	
13.	 Final Policy Comparison – Diane Bloomfield Reviewed whether management or prohibition were used and which policy tools for each of the water quality threat activities by Halton-Hamilton, CTC, Lake Erie-Hamilton, and Lake Erie-Halton Differences primarily due to whether existing threat activities are on-going and what activities are planned within the WHPA The Evaluation Matrix included in the Explanatory Document should be reviewed and updated during the plan review for when consistency was considered 	Evaluation Matrix review to be included in plan review
14.	 Next Meeting The next meeting will likely be held in September 2016 and a notice will be sent out. 	

Minutes prepared by: Jenn Simons



SPC Meeting – March 22, 2016

Halton-Hamilton Source Protection Committee
Diane Bloomfield, Project Manager

New Member Appointments

Source Protection Authorities appointed interim SPC members at their meetings held January 28 and February 4:

- Representing Regions of Halton and Peel, Cities of Burlington and Mississauga, Towns of Milton, Oakville, Halton Hills
 - Adam Gilmore Supervisor, Municipal Water Resources Planning, Halton Region RMO
 - Dan Tovey, Manager of Policy Planning, Legislative and Planning Services
 Department, Halton Region not joining SPC
- Representing Township of Puslinch and County of Wellington
 - Dr. David Rodgers Aberfoyle AquaScience
- Reappointments of Dave Braden and Glenn Powell

Source Protection Region News

- Water. A Right or a Resource? Humber College, Feb 4 Glenn Powell
- All RMOs will soon be in place
 - Puslinch Kyle Davis
 - Halton Region Adam Gilmore
 - Hamilton Carmen Vega
 - Peel Region Mark Schiller
 - Niagara Region Jen Croswell
- Greensville Municipal Well Field
 - Tier 3 funding to be included in 2016/17 budget for modelling the water budget and risk assessment for the new back-up well(s)
 - Water quality WHPAs funding to be included in 2016/17 budget for the redelineation of the WHPAs for the existing well using the Tier 3 model. Discussing the modelling of the WHPAs for the new well(s) with the City.
- Event-based modelling along Lake Ontario shoreline not funded in 2016/17

Source Protection Region News

- Source Protection for First Nations 2016/17 proposed planning year with one pilot study for a few communities of the Matawa First Nations in northern Ontario. A Tri-Lateral committee (comprised of federal and provincial governments and the Chiefs of Ontario (COO)) is proposed to be established, to consider many of the water issues faced by First Nations including infrastructure and source water protection.
 - 83 advisories in effect (boil water or do not consume) at 44 communities (Jan 31/16)
 - There are some First Nations SPC members
- Large building annual energy and water use reporting and GHG emissions benchmarking
 - EBR #012-6904 comments until April 10, 2016
 - Ministry of Energy proposal to change the Green Energy Act
 - Water consumption reporting for commercial, multi-unit residential and some industrial buildings 50,000 sq ft and greater
 - Manufacturing facilities and all agricultural facilities are not included

Source Protection Region News

- Water Quality in Ontario 2014 Report
 - Released March 18, 2016
 - Overview of provincial monitoring programs and their findings on Great Lakes, inland lakes, streams and groundwater
 - Many references to study reports

2015 Annual Reports

THAT the Halton-Hamilton Source Protection Committee receives for information the 2015 Annual Reports submitted by

- Township of Puslinch Risk Management Official Kyle Davis
- County of Wellington Gary Cousins
- Halton Region Risk Management Official Jon Clark
- City of Hamilton Risk Management Official Carmen Ches
- Region of Peel Risk Management Official Mark Schiller
- Niagara Region Risk Management Official Deanna Barrow

Also received MOECC responses to plan monitoring policies, however, not applicable to Halton-Hamilton in 2015.

Source Protection Municipal Implementation Fund

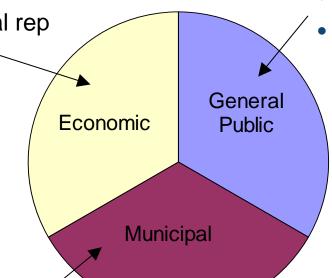
- SPMIF
- additional flexibility of eligible activities and timelines
- extended the SPMIF program for an additional year March 5, 2017
- provided the option for the purchase/production of municipal road signage to identify vulnerable areas
- allowed for the establishment of mandatory septic re-inspection programs in vulnerable areas where drinking water threats could be significant

SPC Size and Composition

9 Members plus Chair

2 agricultural reps

1 industrial/commercial rep



- 1 environmental rep
- 2 health / general public reps

- 1 Hamilton/Grimsby/Niagara Region rep
- 1 Regions of Halton and Peel, Cities of Burlington and Mississauga, Towns of Milton, Oakville, Halton Hills
- 1 Puslinch/Wellington County

SPC Member Turnover

General

Public

9 Members plus Chair

Gavin Smuk - 2019

Nick DiGirolamo - 2017

 industrial/commercial rep -2021 Dave Braden – 2018

Glenn Powell – 2018

Turlough Finan - 2019



- Halton Group
- Dave Rodgers awaiting Minister decision

All municipal rep terms will align with municipal election cycle – January 2019

Municipal

Economic

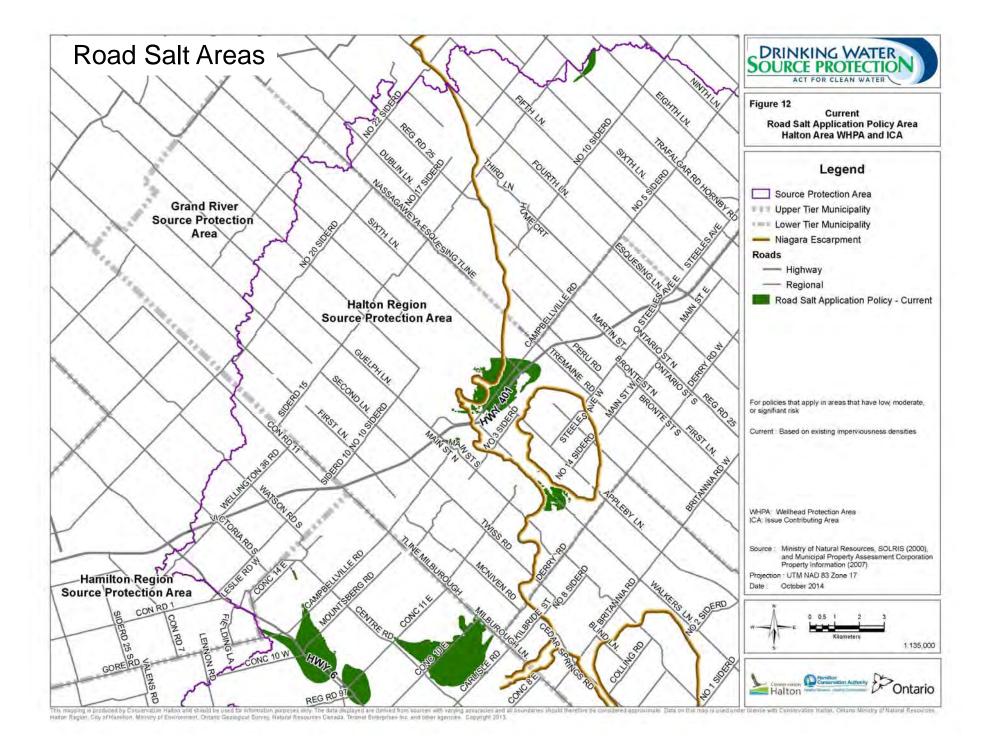
SPC Business

- 2016/17 3 SPC meetings
- Standing meeting late February to bring source protection authorities' annual report
 - Must come to SPC 30 days prior to taking it to source protection authorities for submission to MOECC
 - First annual report due May 1, 2018
- Meetings this year will be primarily about Greensville technical work,
 City of Guelph Tier 3 study and annual reporting
- November 2018 work plan is due for review and updating of the Plan

Program Technical Framework Review

- Provincial level
- Based on feedback received since program began
- Looking at Technical Rules for Assessment Reports and Tables of Drinking Water Threats
- Based on level of effort, classifying changes into
 - short terms: quick fixes that would unlikely result in big changes to AR's conclusion
 - long terms: big changes that may trigger an update of ARs
- Two spreadsheets released by MOECC for comment
 - "to address recommendations that do not require significant review/research of the science behind the technical framework"

High Water Mark WHPA-E Carlisle Vulnerability BURLOAK Region ction Area BURLINGTON (2 INTAKES) Vulnerability: 7 Vulnerability: 5.6 Lake Ontario IPZ-1 12



Source Vulnerability Factor for Intakes

Intake Type

Vulnerability scores = area vulnerability factor x source vulnerability factor

Classification of intakes

Subject to rule 55.1, a surface water intake associated with a type I, II or III system shall be classified as a,

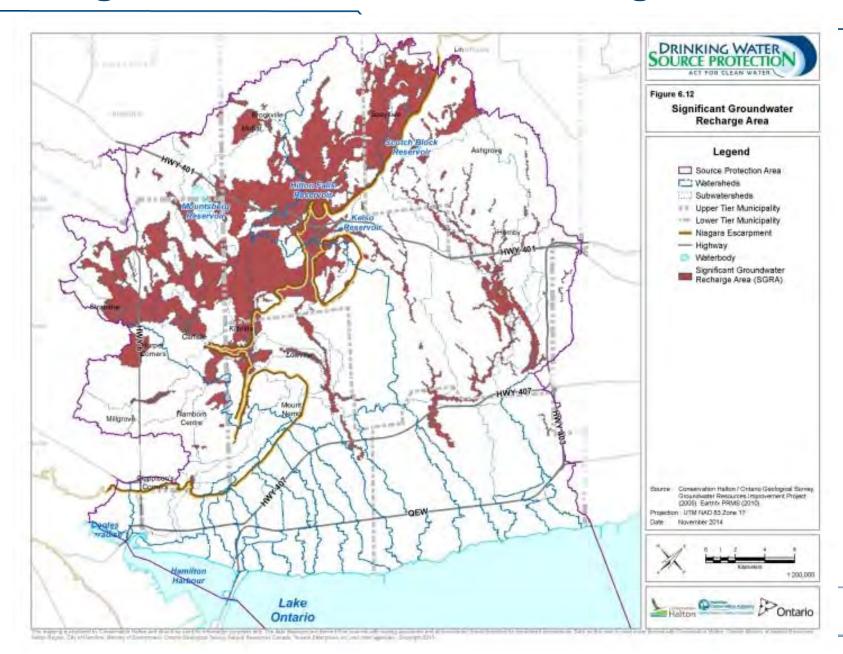
- (1) type A intake if the intake or the planned intake is or would be located in a Great Lake;
- (2) type B intake if the intake or the planned intake is or would be located in a connecting channel;
- (3) type C intake if the intake or the planned intake is or would be located in a river and neither the direction nor velocity of the flow of the water at the intake is affected by a water impoundment structure; or
- (4) type D intake if the intake is not described in subrule (1), (2) or (3).

Table 3 – Source Vulnerability Factors

Source Vulnerability Factor

	2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
type A intake	0.5 to 0.7
type B intake	0.7 to 0.9
type C intake	0.9 or 1
type D intake	0.8 to 1
Shoreacres Ck Tuck Ck Ck Diversion Region School Ck Lower Rambo Ck Ws Lower Rambo Ck Lower Rambo Ck	BUDUNCTON (2 INTAKES)
Faicon Pa	Lake Ontario

Significant Groundwater Recharge Areas



Change septic system to onsite sewage system

In the Building Code a sewage system means,

- (a) a chemical toilet, an incinerating toilet, a recirculating toilet, a self-contained portable toilet and all forms of privy including a portable privy, an earth pit privy, a pail privy, a privy vault and a composting toilet system,
- (b) a greywater system,
- (c) a cesspool,
- (d) a leaching bed system, or
- (e) a system that requires or uses a holding tank for the retention of hauled sewage at the site where it is produced before its collection by a hauled sewage system,

where these,

- (f) have a design capacity of 10,000 litres per day or less,
- (g) have, in total, a design capacity of 10,000 litres per day or less, where more than one of these are located on a lot or parcel of land, and
- (h) are located wholly within the boundaries of the lot or parcel of land on which is located the building or buildings they serve.

The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage

Sewage System Or Sewage Works - Septic System - Reference # 695

- 1. The system is an earth pit privy, privy vault, greywater system, cesspool, or a leaching bed system and its associated treatment unit.
- 2. The system is subject to the Ontario Building Code Act, 1992.
- 3. The discharge from the system may result in the presence of Acetone in groundwater or surface water.

Sewage System Or Sewage Works - Septic System Holding Tank - Reference # 707

- 1. The system requires or uses a holding tank for the retention of hauled sewage at the site where it is produced before its collection by a hauled sewage system.
- 2. The system is subject to the Ontario Building Code Act, 1992.
- 3. A spill from the holding tank may result in the presence of Acetone to land or water







Source Protection Implementation City of Hamilton

Carmen Vega

Senior Project Manager, Hamilton Water

Source Protection Committee Meeting
Tuesday March 22nd, 2016

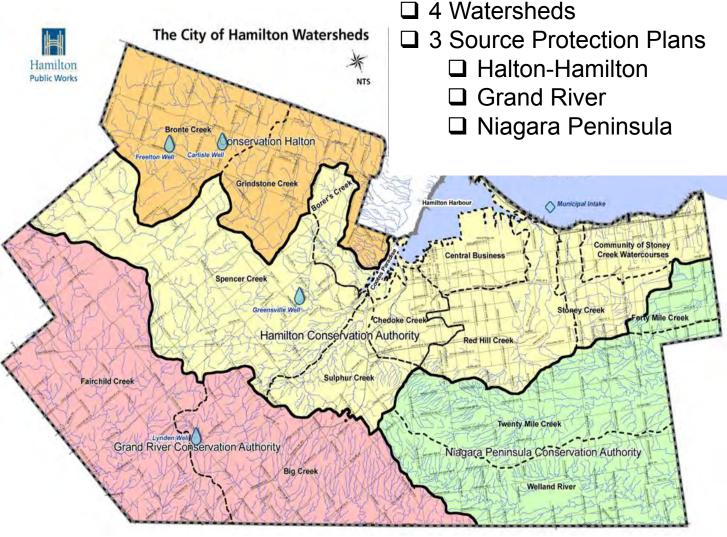
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- → Processes
- → Finance



City of Hamilton







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Risk Management Office

- On December 15, 2015, the City of Hamilton formally appointed the Risk Management Official (RMO) and Risk Management Inspectors (RMIs) and set up the Risk Management Office
 - Carmen Vega RMO
 - Marco Silverio RMI and RMO (alternate)
 - Martha Kariuki RMI
- The Risk Management Office will implement Source Protection Plan policies using a variety of tools









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Threat	Number of Activities
Sewage System – Residential Septic Systems	81
Handling and Storage of Fuel	9
Pesticide Application Commercial Fertilizer - Storage	7
Land associated with livestock	5
Agricultural Source Material (ASM) – Application	6
Agricultural Source Material (ASM) – Storage Non-Agricultural Source Material (NASM) - Application	1
Handling and Storage of Dense Non Aqueous Phase Liquids (DNAPL)	1
Total Number of Activities	(118)
Total Number of Properties	91





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- ☐ Septic Systems highest number
- ☐ Total number of activities 81
 - □ Policy tools: OBC requirements, E&O, Incentives

Working with Building Division to send out requests for septic system inspections by private installers

MARCH-APRIL 2016

6 month compliance timeframe for inspections

MAY - NOVEMBER 2016



Follow-up on the inspections reports **DECEMBER – FEBRUARY 2017**







- ☐ Storage & Handling of Fuel Threat
- ☐ Total number of potential occurrences 9
 - ☐ Policy Tool: E&O



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Notification letter to schedule visits with outreach material **APRIL-MAY 2016**

Voluntary visits with E&O MAY – NOVEMBER 2016

Follow-up on based on response. **DECEMBER – FEBRUARY 2017**







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- ☐ Pesticide Application & Fertilizer Storage Threat
- □ Total number of potential activities 8
 - ☐ Policy Tool: RMP, E&O, Incentives

Notification letter to schedule site visits

APRIL-MAY 2016

Site visit to confirm the threat and begin negotiations of RMPs

MAY - NOVEMBER 2016









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Existing Drinking Water Threats in Hamilton

- □ Land associated with livestock threat
- ☐ Total number of potential activities 5
 - □ Policy Tools: NMA, RMP, Compliance Inspections

Notification letter to schedule site visit

APRIL-MAY 2016

Site visit to confirm the threat and initiate negotiation of RMPs

MAY - NOVEMBER 2016

Follow-up based on response. DECEMBER - FEBRUARY 2017







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Existing Drinking Water Threats in Hamilton

- □ ASM &NASM Threat
- ☐ Total number of activities 11
 - □ Policy Tools: NMA, RMP, Compliance Inspections, E&O, Incentives

Notification letter to schedule site visit

APRIL-MAY 2016

Site visit and negotiations of RMPs

MAY – NOVEMBER 2016

Follow-up based on response. **DECEMBER – FEBRUARY**2017







- ☐ Handling and Storage of (DNAPL) Threat
- ☐ Total number of activities 1
 - ☐ Policy Tools: RMP, E&O

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MAY - NOVEMBER 2016

Notification letter to schedule

site visit

APRIL-MAY 2016

Follow-up based on response. DECEMBER - FEBRUARY 2017









Other Threats

- ☐ Road Salt & Storage of Snow
 - □ Policy Tools: E&O

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Policies communicated with the Roads Operation group

DECEMBER 2015

Update City of Hamilton's Salt Management Plan to include BMP

2016

Work with Roads Operation to educate contractors on BMP **2017**



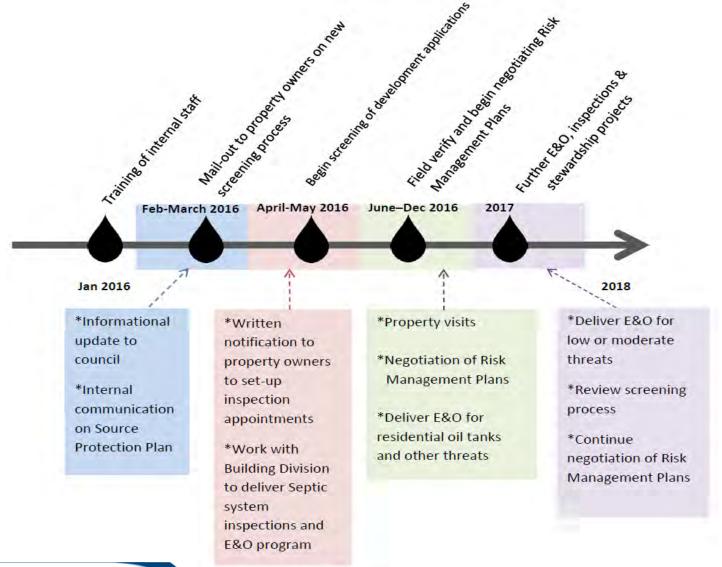




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City of Hamilton Actions in Source Protection







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- → Finance



Future Threats and other policies

☐ Restricted Land Use – Section 59

- □ Screening of development applications
- Training of 56 building & planning staff
- Information package to ~ 900 property owners
- Begins April 1st 2016







March 21, 2016

Restricted Land Use Notice

Risk Management Plan agreed to or established Issued under the Clean Water Act, Section 59 (2) (b)

Letter Number: HAM-S59-16-001		
Description and Date of Application	/ Supporting Documents:	
Applicant Name:		
Telephone:	Email address	
Property Address:	Town:	
Province:	Postal Code:	
Source Protection Plan:	Drinking Water System:	
WHPA:	Vulnerability Score:	

Property Owner:			
Mailing Address:		Town:	
Municipality:	Province:	Postal Code:	
Phone:	Alt. Phone:	Email:	







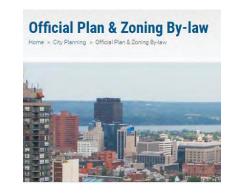
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Future Threats and other policies

- □ Rural Official Plan
 Amendment
 - ☐ Source Protection Plan policies included in the amendment (July 2015)
 - ☐ Amended plan under appeal at OMB



- ☐ Spill prevention & Emergency response plans
 - ☐ Woodward Avenue plans updated to include IPZs





Spill



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- → Finance



Other Activities

- □ Prepare Annual Reports 1st report submitted (Feb 2016)
- □ Prepare Council communication
 - New SPC municipal representative
 - ☐ Information up-date
- □ Develop an internal Source Protection database & web-interface
- □ Conduct Municipal Class Environmental Assessment Studies
 - ☐ Two new potential wells in Lynden and Greensville
- On-going participation in Source Protection committees and working groups







Public Works HAMILTON WATER



Questions

March 22, 2016

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