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13.0 CITY OF HAMILTON – LYNDEN RURAL SETTLEMENT AREA

The following City of Hamilton- Lynden Rural Settlement Area Source Protection Plan policies apply to the Lynden Communal Well System as presented in Schedule A. Policies which apply to the City of Hamilton outside of the Grand River Watershed can be found in the Halton-Hamilton and Niagara Peninsula Source Protection Plans.

13.1 Definitions

General definitions are provided in Volume I of the Source Protection Plan or in the *Clean Water Act, 2006*. Defined terms are intended to capture both the singular and plural forms of these terms.

The following definitions shall apply to the City of Hamilton (Lynden Rural Settlement Area) Source Protection Policies.

Existing Threat – means an activity that commenced or has been engaged in at a location in a vulnerable area within ten (10) years prior to the Source Protection Plan taking effect where there would be a drinking water threat. It includes any expansion of the activity only on the same parcel of land.

Future Threat – means any activity in a vulnerable area where there could be a drinking water threat that is not defined as an existing threat within this Source Protection Plan.

13.2 City Of Hamilton – Lynden Rural Settlement Area Source Protection Plan Policies

Policy Number	Source Protection Plan Policies within Lynden Rural Settlement Area
Implementation Timing Policies	
CH-CW-1.1 <i>Implement. & Timing</i>	Except as set out below, the policies contained in this Source Protection Plan shall take effect on the date set out by the Minister. <ol style="list-style-type: none"> a. For Section 58 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before this Source Protection Plan or amendment took effect and the Risk Management Official gives notice to a person who is engaged in the activity at that location that, in the opinion of the Risk Management Official, policies regarding regulated activities should apply to the person who engages in the activity at that location on and after a date specified in the notice that is at least 120 days after the date of the notice; b. For Section 59 of the <i>Clean Water Act, 2006</i>, policies regarding restricted land uses shall take effect the same day the Source Protection Plan takes effect; c. Where the Source Protection Policies require the City of Hamilton to develop and implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat, such programs shall be developed and implemented within five (5) years from the date the Source Protection Plan takes effect; d. For Sections 43 of the <i>Clean Water Act, 2006</i>, if an activity was engaged in at a particular location before this Source Protection Plan or amendment took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect; and,

Policy Number	Source Protection Plan Policies within Lynden Rural Settlement Area
	<p>e. For Section 40(2) and 42 of the <i>Clean Water Act, 2006</i>, the Official Plan and Zoning By-Laws must be amended to conform with the significant threat policies and adopted by municipal council by the next five (5) year Official Plan update as required under subsection 26(1) of the <i>Planning Act</i> or within five (5) years from the date the Source Protection Plan takes effect.</p>
Uses and Areas Designated as Restricted Land Uses	
<p>CH-CW-1.2 <i>Part IV- RLU</i></p>	<p>In accordance with Section 59 of the <i>Clean Water Act, 2006</i>, all land uses, unless identified specifically within a policy, where significant drinking water threat activities have been designated for the purpose of Section 57 or 58 of the <i>Clean Water Act, 2006</i> are hereby designated as Restricted Land Uses and a written notice from the Risk Management Official shall be required prior to approval of any Building Permit, <i>Planning Act</i> or <i>Condominium Act</i> Application.</p>
Land Use Planning	
<p>CH-MC-1.3 <i>Future Land Use Planning</i></p>	<p>The City of Hamilton shall amend their Official Plan and/ or Zoning By-Laws to:</p> <ol style="list-style-type: none"> Identify the vulnerable areas in which drinking water threats prescribed under the <i>Clean Water Act, 2006</i> would be significant; Indicate that within the areas identified, any use or activity that is, or would be, a significant drinking water threat is required to conform with all applicable Source Protection Plan policies and, as such, may be prohibited, restricted or otherwise regulated by those policies; Incorporate any other amendments required to conform to the threat specific land use policies identified in this Source Protection Plan.
Annual Reporting	
<p>CH-CW-1.4 <i>Monitoring</i></p>	<p>The City of Hamilton shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken to implement the Source Protection Plan policies.</p>
<p>CH-CW-1.5 <i>Monitoring</i></p>	<p>Where the City of Hamilton is required to amend their Official Plan and/or Zoning By-law to bring their planning documents into conformity with the Source Protection Plan, the City of Hamilton shall provide proof of compliance to the Source Protection Authority and shall provide a copy of such compliance within 30 days of final adoption of the amendment(s).</p>
<p>CH-CW-1.6 <i>Monitoring</i></p>	<p>The Risk Management Official shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken by the Risk Management Official to implement the Source Protection Policies, in accordance with the <i>Clean Water Act, 2006</i> and associated regulations.</p>
<p>CH-CW-1.7 <i>Monitoring</i></p>	<p>Where the Source Protection Plan policies require a provincial ministry to amend a Prescribed Instrument or issue a new Prescribed Instrument, the applicable Ministry shall provide a summary of any actions taken and/or conditions imposed. The applicable ministry shall provide a written report summarizing this information to the Source Protection Authority by February 1st of each year.</p>
<p>CH-CW-1.8 <i>Monitoring</i></p>	<p>Where the Source Protection Plan policies require a provincial ministry to deny a Prescribed Instrument, the applicable Ministry shall summarize the actions taken the previous year to implement the policies and provide a written report summarizing this information to the Source Protection Authority by February 1st of</p>

Policy Number	Source Protection Plan Policies within Lynden Rural Settlement Area
	each year.
Local Threat: The Conveyance of Oil by way of Underground Pipelines	
<p>CH-NB-1.9</p> <p><i>Future Specify Action</i> WHPA-A v.10</p> <p><i>Monitoring</i></p>	<p>To reduce the risk due to the conveyance of oil by way of underground pipes within the meaning of O. Reg. 210/01 under the <i>Technical Safety and Standards Act</i> or that is subject to the <i>National Energy Board Act</i>, where this activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board and the Ontario Energy Board are encouraged to provide the Source Protection Authority and the City the location of any new proposed pipeline within the City and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas</p>
Strategic Action	
Spill Prevention, Spill Contingency or Emergency Response Plans	
<p>CH-NB-1.10</p> <p><i>Future Specify Action</i></p>	To ensure the protection of drinking water sources with respect to spills that occur within a wellhead protection area along highways, railway lines, or shipping lanes, the City of Hamilton and the Ministry of the Environment Ministry of the Environment, Conservation and Parks are encouraged to incorporate the Wellhead Protection Area mapping into their Emergency Response Plan and Spills Action Centre mapping, respectively.
<p>CH-NB-1.11</p> <p><i>Future Specify Action</i></p>	The City of Hamilton is requested to implement an education and outreach program to encourage all transportation businesses that ship goods through wellhead protection areas to prepare spill prevention plans and spill contingency plans, to review these plans annually, and to update them, as required.
Transport Pathways	
<p>CH-NB-1.12</p> <p><i>Existing/Future Specify Action</i></p>	<p>To achieve the intent of the <i>Clean Water Act, 2006</i> that drinking water threats identified in the vicinity of a transport pathway cease to be or do not become a significant threat, and that a pathway ceases to endanger the source water of a municipal water supply, the following policies apply:</p> <ol style="list-style-type: none"> The City of Hamilton is requested to use best management practices to protect the quantity and quality of groundwater sources during the installation of new municipal infrastructure in proximity to municipal water wells. The City of Hamilton is requested to incorporate conditions of approval for development applications to ensure private wells that are no longer in use are decommissioned in accordance with O. Reg. 903. The Ministry of the Environment Ministry of the Environment, Conservation and Parks and the municipalities responsible for water services are requested to provide ongoing funding for incentive programs focused on the decommissioning of wells, and for education and outreach programs regarding the decommissioning of wells. If funding is provided by the Ministry of the Environment Ministry of the Environment, Conservation and Parks through the Ontario Drinking Water Stewardship Program, the Conservation Authority shall implement an incentive program to decommission unused wells. The City of Hamilton is requested to develop a program to facilitate, where

Policy Number	Source Protection Plan Policies within Lynden Rural Settlement Area
	<p>possible and appropriate, the connection to municipal water services of current private well users within the urban boundary. The users should be required to decommission the unused wells in accordance with O. Reg. 903.</p> <p>f. The City of Hamilton is requested to prohibit the construction of new wells and septic onsite sewage systems within the urban area where municipal water and wastewater services are available.</p> <p>g. The City of Hamilton is requested to prepare bylaws/procedures/ processes that ensure the construction of closed loop, earth energy systems will not result in the establishment of transport pathways.</p>
Interpretation	
<p>CH-CW-1.13</p> <p><i>Interpretation of Source Protection Plan</i></p>	<p>The Source Protection Plan provides policies to meet the objectives of the <i>Clean Water Act, 2006</i>. The Source Protection Plan consists of the written policy text and Schedules.</p> <p>a. The Schedules in the Source Protection Plan identify the areas where the policies of the Source Protection Plan apply. The boundaries for the circumstances shown on the Plan Schedules are general. More detailed interpretation of the boundaries relies on the mapping in the approved Assessment Report and the Specific Circumstances found in the Tables of Drinking Water Threats, <i>Clean Water Act, 2006</i>.</p> <p>b. Where any Act or portion of an Act of the Ontario Government or Canadian Government is referenced in this Plan, such reference shall be interpreted to refer to any subsequent renaming of sections in the Act as well as any subsequent amendments to the Act, or successor thereof. This provision is also applicable to any policy statement, regulation or guideline issued by the Province or the municipality.</p>

13.3 Policies Addressing Prescribed Drinking Water Threats

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
1. Establishment, Operation or Maintenance of a Waste Disposal Site, within the Meaning of Part V of the <i>Environmental Protection Act</i>	
<p>CH-MC-2.1</p> <p><i>Future Prescribed Instr. WHPA-A-v.10</i></p>	<p>To ensure the future establishment of waste disposal sites never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, as defined within the meaning of Part V of the <i>Environmental Protection Act</i>, the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall prohibit these activities within the Environmental Compliance Approvals process for such waste disposal sites on lands located within identified vulnerable areas.</p>
<p>CH-CW-2.2</p> <p><i>Future Education & Outreach WHPA-A-v.10</i></p>	<p>To ensure the disposal of hazardous materials at waste disposal sites never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, the City of Hamilton shall continue their established education and outreach programs on hazardous waste disposal and reduction of waste. The programs shall include messaging consistent with source water protection and the diligent use and disposal of substances.</p>
<p>CH-MC-2.3</p>	<p>To ensure the establishment of waste disposal sites within the meaning of Part V of the <i>Environmental Protection Act</i>, never become significant drinking water</p>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
<p><i>Future Land Use Planning WHPA-A-v.10</i></p>	<p>threats, where such activities would be significant drinking water threats, the City of Hamilton shall prohibit through amendments to <i>Planning Act</i> tools the establishment of waste disposal sites and the specific land uses.</p>
<p>2. Establishment, Operation or Maintenance of a System That Collects, Stores, Transmits, Treats or Disposes of Sewage</p>	
<p>Sewage System or Sewage Works- Onsite Sewage Septic System Sewage System or Sewage Works- Onsite Sewage Septic System Holding Tank</p>	
<p>CH-MC-3.1 <i>Existing/Future Prescribed Instr. WHPA-A-v.10</i></p>	<p>To ensure any existing or future septic onsite sewage- systems and holding tanks onsite sewage system holding tanks regulated under the <i>Ontario Water Resources Act</i> ceases to be or never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall ensure that Environmental Compliance Approvals required for these septic onsite sewage systems are prepared to incorporate terms and conditions that, when implemented, will ensure that they do not become a risk to drinking water. The terms and conditions may include, as appropriate:</p> <ul style="list-style-type: none"> i. mandatory monitoring of groundwater impacts; ii. contingencies in the event that the quality of sources of drinking water is adversely affected; iii. regular and ongoing compliance monitoring; iv. mandatory system inspections at least every five years; v. upgrading of these septic onsite sewage- systems to current standards, if necessary; and vi. annual reporting to the Source Protection Authority of any monitoring and inspection programs required and their results.
<p>CH-MC-3.2 <i>Future Land Use Planning WHPA-A-v.10</i></p>	<p>To ensure the establishment of new septic onsite sewage- systems and holding tanks onsite sewage system holding tanks regulated under the <i>Ontario Water Resources Act</i> never become significant drinking water threats, where such activities would be significant drinking water threats, the City of Hamilton, in consideration of site plan approval for properties located partially within vulnerable areas, shall require the applicants to locate the septic onsite sewage- systems outside of vulnerable areas.</p>
<p>CH-MC-3.3 <i>Future Land Use Planning WHPA-A-v.10</i></p>	<p>To ensure future septic onsite sewage systems and holding tanks onsite sewage system holding tanks—regulated under the <i>Ontario Building Code Act</i> never become significant drinking water threats, where such activities would be significant drinking water threats, the City of Hamilton shall require through amendments to <i>Planning Act</i> tools that future lot sizes be sufficient to accommodate the systems. Where possible, the municipal planning authority shall require the applicants to locate the septic onsite sewage systems outside of a vulnerable area.</p>
<p>CH-CW-3.4 <i>Existing Education & Outreach WHPA-A-v.10</i></p>	<p>To increase awareness about best practices to protect drinking water sources for users of septic onsite sewage systems and holding tanks onsite sewage system holding tanks located within vulnerable areas where their use is or would be a significant drinking water threat, within five (5) years of the date the Source Protection Plan comes into effect, the City of Hamilton, in collaboration with the Conservation Authority, is requested to continue and broaden education and outreach programs.</p>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
	The programs should inform landowners about the proper disposal of toxic chemicals, the operation and maintenance of sewage systems, and the benefits of installing effluent filters, performing tank inspections, and having tanks regularly pumped out.
CH-CW-3.5 <i>Existing/Future Specify Action WHPA-A-v.10</i>	To ensure existing and future septic onsite sewage systems cease to be, or never become, significant drinking water threats, where this activity is, or would be, a significant drinking water threat, the City of Hamilton shall implement an septic onsite sewage system maintenance inspection program subject to the requirements of the <i>Ontario Building Code</i> within vulnerable areas.
CH-NB-3.6 <i>Existing Incentive Program WHPA-A-v.10</i>	To assist landowners in reducing the risks to drinking water sources where existing septic onsite sewage systems and holding tanks onsite sewage system holding tanks are significant threats, the Ministry of the Environment Ministry of the Environment, Conservation and Parks is requested to provide ongoing funding through the Ontario Drinking Water Stewardship Program or a similar program for septic onsite sewage system upgrades, replacements, decommissioning of unused systems, and for connection to municipal systems. If funding is provided, the Conservation Authority shall implement the incentive program.
CH-CW-3.7 <i>Existing Incentive Program WHPA-A-v.10</i>	To assist landowners with improvements to septic onsite sewage systems and holding tanks onsite sewage system holding tanks required under the septic onsite sewage systems maintenance inspection program implemented where septic onsite sewage systems are significant threats and in accordance with the Ontario <i>Building Code Act</i> , the City of Hamilton shall consider the creation of a financial assistance program designed in a manner that allows the work to be completed as required, and the landowner to repay the cost over time.
Sewage System or Sewage Works- Sanitary Sewers and Related Pipes	
CH-MC-3.8 <i>Existing/Future Prescribed Instr. WHPA-A-v.10</i>	To ensure any existing or new sanitary sewer and pipes cease to be or never become significant drinking water threats, where such an activity is, or would be, a significant drinking water threat, the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall ensure that Environmental Compliance Approvals required for sanitary sewers and pipes are prepared/amended to incorporate conditions that, when implemented, will ensure that they do not become a risk to drinking water. The conditions may include requirements for the proponent/applicant to undertake regular maintenance and inspections.
Sewage System or Sewage Works- Sewage Works Storage of Sewage (e.g., Treatment plant or Holding Tanks) Sewage System or Sewage Works- Sewage Treatment Plant Effluent Discharges (includes lagoons)	
CH-MC-3.9 <i>Existing/Future Prescribed Instr. WHPA-A-v.10</i>	To ensure existing or future sewage treatment plants effluent discharges, bypasses, or the storage of sewage, cease to be or never become significant drinking water threats, the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall prepare/ amend the environmental compliance approvals to incorporate conditions that, when implemented, will ensure they do not become a risk to drinking water. The conditions may include strict criteria for effluent quality, appropriate sizing to reduce bypasses, in addition to inspections and proactive maintenance of the works to prevent leaks.

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
Sewage System or Sewage Works- Discharge of Stormwater from a Stormwater Management Facility	
CH-MC-3.10 <i>Future Prescribed Instr. WHPA-A-v.10</i>	<p>To ensure the future discharge of stormwater from a stormwater management facility never becomes a significant drinking water threat the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall prepare/ amend the environmental compliance approvals to incorporate conditions that, when implemented, will ensure they do not become a risk to drinking water.</p> <p>The conditions may include the requirement for regular maintenance, periodic removal of accumulated sediment, lining of the pond where warranted, the use of an oil/water separator, and other requirements to address site conditions.</p>
CH-MC-3.11 <i>Future Land Use Planning WHPA-A-v.10</i>	<p>To ensure the discharge of storm water effluent from a storm water management facility never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, where possible, the City of Hamilton, in consideration of <i>Planning Act</i> applications for the development of stormwater management facilities, shall require the applicant to locate future stormwater management facilities outside of the vulnerable area.</p>
3. The Application of Agricultural Source Material to Land	
4. The Storage of Agricultural Source Material	
CH-CW-4.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i>	<p>To ensure the existing and future application and storage of agriculture source material ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, these activities shall be designated for the purpose of Section 58 of the <i>Clean Water Act, 2006</i> and a Risk Management Plan shall be required.</p> <p>The content shall be based upon, but not limited to, the regulatory requirements of a nutrient management plan and strategy under the <i>Nutrient Management Act</i> and scoped to address these specific threats.</p>
6. The Application of Non-Agricultural Source Material (NASM) to Land	
7. The Handling and Storage of Non-Agricultural Source Material (NASM)	
CH-MC-5.1 <i>Future Prescribed Instr. WHPA-A-v.10</i> <i>Policy only applies to the application of NASM containing materials from sewage works or meat plant</i>	<p>To ensure the future application, handling and storage of non-agricultural source material never become significant drinking water threats, where such activities are, or would be, significant drinking water threats, the Ministry of Agriculture, Food and Rural Affairs and/or the Ministry of the Environment Ministry of the Environment, Conservation and Parks shall revoke or not approve any Non-Agricultural Source Material (NASM) Plan, in accordance with the <i>Nutrient Management Act</i>, or within the Environmental Compliance Approval process that allows, or would permit these activities within vulnerable areas where it would be a significant drinking water threat.</p>
8. The Application of Commercial Fertilizer to Land	
9. The Handling and Storage of Commercial Fertilizer	
CH-CW-6.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i> <i>Does currently not apply to the application</i>	<p>To ensure the existing and future application, handling and storage of commercial fertilizer ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, the activity shall be designated for the purpose of Section 58 of the <i>Clean Water Act, 2006</i> and a Risk Management Plan shall be required.</p>

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
<i>of commercial fertilizer due to percent managed land and livestock density calculation</i>	
10. The Application of Pesticide to Land 11. The Handling and Storage of Pesticides	
CH-CW-7.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i>	To ensure the existing and future application of pesticide and the handling and storage of pesticide, cease to be or never become significant drinking water threats, these activities are designated for the purposes of Section 58 of the <i>Clean Water Act, 2006</i> and a Risk Management Plan is required.
CH-CW-7.2 <i>Future Education & Outreach WHPA-A-v.10</i>	To ensure the future application, handling or storage of pesticides never become a significant drinking water threat, where the activity is a significant drinking water threat, the City of Hamilton, in collaboration with the Conservation Authority is requested to undertake an education and outreach program on pesticide use and storage methods and their potential impacts on drinking water sources. The program should consider including wellhead protection area mapping and target pesticide applicators, exterminators and farmers.
13. The Handling and Storage of Road Salt	
CH-MC-8.1 <i>Future Land Use Planning WHPA-A-10</i>	Where the future handling and storage of greater than 5,000 tonnes of road salt would be a significant drinking water threat, the City of Hamilton shall prohibit through <i>Planning Act</i> tools salt storage and handling facilities with more than this capacity.
14. The Storage of Snow	
CH-MC-9.1 <i>Future Land Use Planning WHPA-A-v.10</i>	To ensure the future storage of snow never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, the City of Hamilton shall prohibit this land use through <i>Planning Act</i> tools.
15. The Handling and Storage of Fuel	
CH-CW-10.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i>	To ensure the existing and future handling and storage of fuel ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the <i>Clean Water Act, 2006</i> and a Risk Management Plan shall be required. The Risk Management Plan shall include, as a minimum, the requirements for all storage tanks to comply with the requirements of the <i>Technical Standards and Safety Act</i> and its regulations, for all owners/operators to have an emergency response plan with emergency contact information of the municipality responsible for water services and the Spills Action Centre.
CH-MC-10.2 <i>Future Land Use Planning WHPA-A-v.10</i>	To ensure the future handling and storage of fuel never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat; the City of Hamilton shall prohibit gas stations through <i>Planning Act</i> tools.
CH-CW-10.3 <i>Existing/Future Education & Outreach WHPA-A-v.10</i>	To ensure the existing and future handling and storage of fuel ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, within five (5) years of the date that the Source Protection Plan comes into effect, the City of Hamilton shall develop

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
	and implement an education and outreach program for homeowners with home fuel oil tanks, regarding spill response and the method and timing for contacting the Spills Action Centre
16. The Handling and Storage of a Dense Non-Aqueous Phase Liquid (DNAPL)	
CH-CW-11.1 <i>Existing/Future Part IV-RMP WHPA-A/B/C</i>	To ensure the existing and future handling and storage of dense non-aqueous phase liquids ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the <i>Clean Water Act</i> , 2006 and a Risk Management Plan shall be required.
17. The Handling and Storage of an Organic Solvent	
CH-CW-12.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i>	To ensure the existing and future handling and storage of an organic solvent ceases to be or never becomes a significant drinking water threat, where such an activity is, or would be, a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the <i>Clean Water Act</i> , 2006 and a Risk Management Plan shall be required.
18. The Management of Runoff that Contains Chemicals Used in De-icing of Aircraft	
CH-NB-13.1 <i>Future Specify Action WHPA-A-v.10</i> <i>Monitoring</i>	To ensure the management of runoff containing chemicals used in the de-icing of aircraft where such an activity would be a significant drinking water threat, never becomes a significant drinking water threat, the relevant airport authorities and operators, in their consideration of any future airport facilities where the activity would be a significant drinking water threat, are requested to include appropriate design standards and management practices to prevent the runoff from airport de-icing facilities from becoming a significant drinking water threat. The City of Hamilton shall report to the Source Protection Authority if an application has been made for a new airport facility within the vulnerable areas by February 1 of each year.
21. The Use of Land as Livestock Grazing or Pasturing Land, an Outdoor Confinement Area or Farm Animal Yard	
CH-CW-14.1 <i>Existing/Future Part IV-RMP WHPA-A-v.10</i>	To ensure the risks to drinking water from the existing or potential future use of land as an outdoor confinement area or farm-animal yard on farms not phased-in under the <i>Nutrient Management Act</i> , or from the use of land for livestock grazing or pasturing on all farms, ceases to be or never becomes a significant drinking water threat, where these activities are, or would be, a significant drinking water threat, these activities shall be designated for the purpose of Section 58 of the <i>Clean Water Act</i> , 2006 and a Risk Management Plan shall be required. The Risk Management Plan shall be based upon the regulatory requirements of a nutrient management strategy under the <i>Nutrient Management Act</i> and incorporate the best management practices for livestock grazing and pasturing land.
CH-MC-14.2 <i>Existing/Future Prescribed Instr. WHPA-A-v.10</i>	Where the existing and potential future use of land as an outdoor confinement area or farm-animal yard is, or would be, a significant drinking water threat and is managed by nutrient management strategies prepared under the <i>Nutrient Management Act</i> , the Ministry of Agriculture, Food and Rural Affairs shall ensure that all existing and future nutrient management strategies incorporate measures to protect drinking water sources that, when implemented, ensure that the activity ceases to be or never becomes a significant drinking water threat.

Policy Number	Policies Addressing Prescribed Drinking Water Threats within the City of Hamilton- Lynden Rural Settlement Area
22. The Establishment and Operation of a Liquid Hydrocarbon Pipeline	
<p>CH-NB-15.1</p> <p><i>Future Specify Action WHPA-A-v.10</i></p> <p><i>Monitoring</i></p>	<p>To reduce the risk due to the conveyance of oil by way of underground pipes within the meaning of O. Reg. 210/01 under the <i>Technical Safety and Standards Act</i> or that is subject to the <i>National Energy Board Act</i>, where this activity would be a significant drinking water threat, the pipeline proponent, the National Energy Board and the Ontario Energy Board are encouraged to provide the Source Protection Authority and the City the location of any new proposed pipeline within the City and/or Source Protection Area.</p> <p>The Source Protection Authority shall document in the annual report the number of new pipelines proposed within vulnerable areas</p>

13.4 Appendix A: List of Policies as per Section 34 of Regulation 287/07

LIST A

Title: Significant threat policies that affect decisions under the *Planning Act* and *Condominium Act*, 1998

Opening Statement: “Clause 39 (1)(a), subsections 39 (2), (4) and (6), and sections 40 and 42 of the *Clean Water Act*, 2006 apply to the following policies:”

Content: CH-CW-1.1, CH-CW-1.2, CH-CW-1.3, CH-MC-2.3, CH-MC-3.2, CH-MC-3.3, CH-MC-3.11, CH-MC-8.1, CH-MC-9.1, CH-MC-10.2

LIST B

Title: Moderate and low threat policies that affect decisions under the *Planning Act* and *Condominium Act*, 1998

Opening Statement: “Subsection 39 (1) (b) of the *Clean Water Act*, 2006 applies to the following policies:”

Content: No Applicable Policies

LIST C

Title: Significant threat policies that affect Prescribed Instrument decisions

Opening Statement: “Subsection 39 (6), clause 39 (7) (a), section 43 and subsection 44 (1) of the *Clean Water Act*, 2006 apply to the following policies:”

Content: CH-CW-1.1, CH-MC-2.1, CH-MC-3.1, CH-MC-3.8, CH-MC-3.9, CH-MC-3.10, CH-MC-5.1, CH-MC-14.2

LIST D

Title: Moderate and low threat policies that affect Prescribed Instrument decisions

Opening Statement: “Clause 39 (7) (b) of the *Clean Water Act*, 2006 applies to the following policies:”

Content: No Applicable Policies

LIST E

Title: Significant threat policies that impose obligations on municipalities, source protection authorities and local boards

Opening Statement: “Section 38 and subsection 39 (6) of the *Clean Water Act*, 2006 applies to the following policies:”

Content: CH-CW-1.1, CH-CW-1.13, CH-CW-2.2, CH-CW-3.4, CH-CW-3.5, CH-CW-3.7, CH-CW-7.2, CH-CW-10.3

LIST F

Title: Monitoring policies referred to in subsection 22 (2) of the *Clean Water Act*, 2006

Opening Statement: “Section 45 of the *Clean Water Act*, 2006 applies to the following policies:”

Content: CH-CW-1.4, CH-CW-1.5, CH-CW-1.6, CH-CW-1.7, CH-CW-1.8, CH-NB-15.1-1.9, CH-NB-13.1

LIST G

Title: Policies related to section 57 of the *Clean Water Act*, 2006

Opening Statement: “The following policies relate to section 57 (prohibition) of the Clean Water Act, 2006.”

Content: No Applicable Policies

LIST H

Title: Policies related to section 58 of the *Clean Water Act*, 2006

Opening Statement: “The following policies relate to section 58 (Risk Management Plans) of the Clean Water Act, 2006.”

Content: CH-CW-1.1, CH-CW-4.1, CH-CW-6.1, CH-CW-7.1, CH-CW-10.1, CH-CW-11.1, CH-CW-12.1, CH-CW-14.1

LIST I

Title: Policies related to section 59 of the *Clean Water Act*, 2006

Opening Statement: “The following policies relate to section 59 (restricted land uses) of the *Clean Water Act, 2006*.”

Content: **CH-CW-1.1**, CH-CW-1.2

LIST J

Title: Strategic Action policies

Opening Statement: For the purposes of section 33 of O. Reg. 287/07, the following policies are identified as strategic action policies:

Content: CH-NB-1.10, CH-NB-1.11, CH-NB-1.12

LIST K

Title: Significant threat policies targeted to bodies other than municipalities, local board or source protection authorities for implementation

Opening Statement: The following policies are identified as non-legally binding policies:

Content: CH-NB-15.14.9, CH-NB-3.6, CH-NB-13.1

13.5 Appendix B: Prescribed Instruments and Policy Summary Tables

Table 1: Prescribed instruments which apply to source protection plan policies in Lists C and D above (s.34(4) of O. Reg. 287/07)

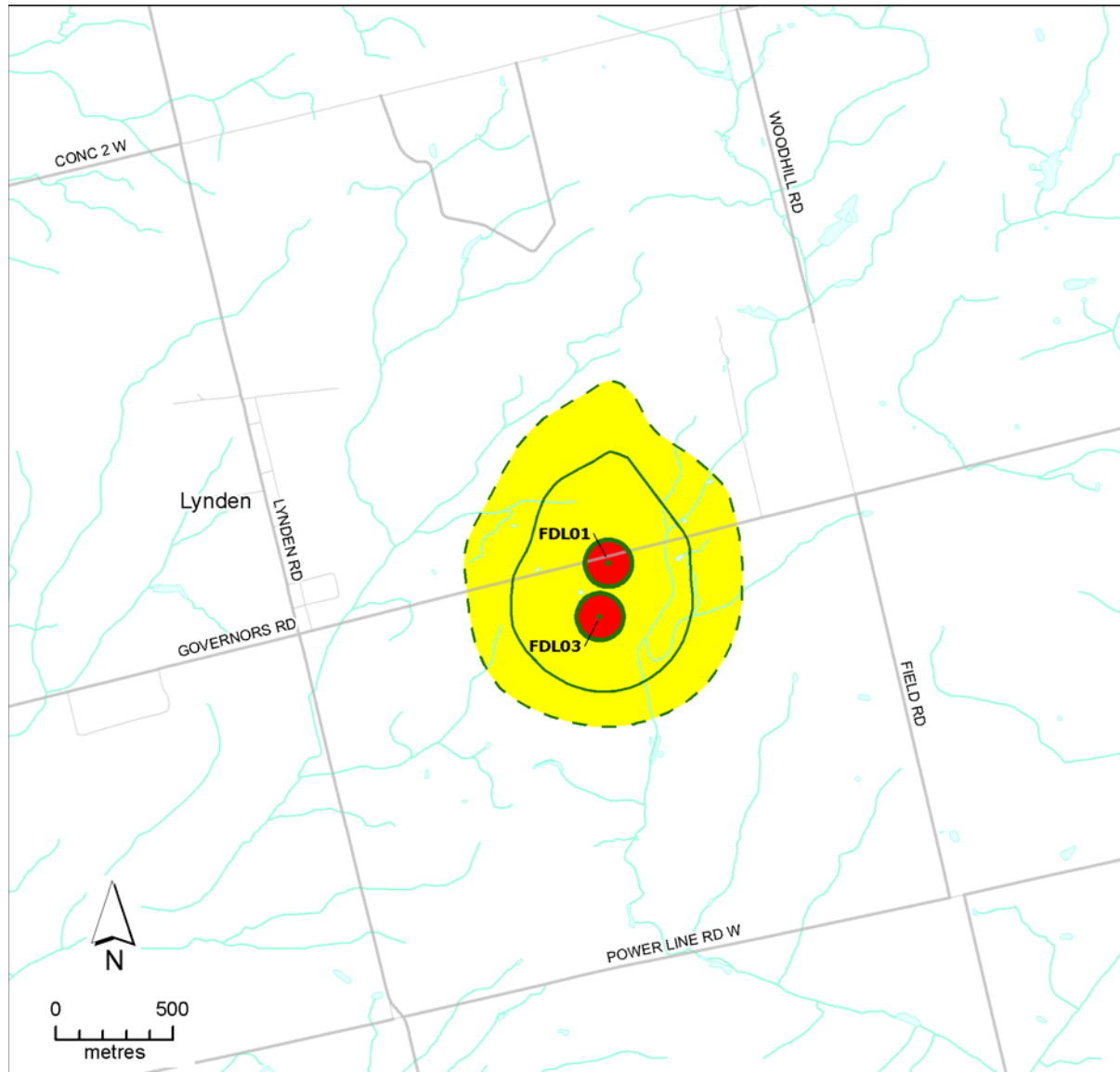
Policy #	Legal Effect	Environmental Protection Act	Nutrient Management Act	Ontario Water Resources Act
CH-CW-1.1	Comply With	X	X	X
CH-MC-2.1	Must Conform	X		X
CH-MC-3.1	Must Conform	X		X
CH-MC-3.8	Must Conform	X		X
CH-MC-3.9	Must Conform	X		X
CH-MC-3.10	Must Conform	X		X
CH-MC-5.1	Must Conform	X	X	
CH-MC-14.2	Must Conform		X	

Table 2: Policy Summary Matrix

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the CWA (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a Risk Management Plan, are prohibited under s. 57, or to which s. 59 of the CWA applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
CH-CW-1.1	Comply With	X	X	X		X		
CH-CW-1.2	Comply With	X				X		
CH-CW-1.3	Comply With	X						
CH-MC-2.3	Must Conform	X						
CH-MC-3.2	Must conform	X						
CH-MC-3.3	Must conform	X						
CH-MC-3.11	Must conform	X						
CH-MC-8.1	Must conform							
CH-MC-9.1	Must conform	X						
CH-MC-10.2	Must conform	X						
CH-MC-2.1	Must conform		X					
CH-MC-3.1	Must conform		X					
CH-MC-3.8	Must conform		X					
CH-MC-3.9	Must conform		X					
CH-MC-3.10	Must conform		X					
CH-MC-5.1	Must conform		X					
CH-MC-14.2	Must conform		X					
CH-CW-1.13	Comply With			X				
CH-CW-2.2	Comply With			X				

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the CWA (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a Risk Management Plan, are prohibited under s. 57, or to which s. 59 of the CWA applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
CH-CW-3.4	Comply With			X				
CH-CW-3.5	Comply With			X				
CH-CW-3.7	Comply With			X				
CH-CW-7.2	Comply With			X				
CH-CW-10.3	Comply With			X				
CH-CW-1.4	Comply With				X			
CH-CW-1.5	Comply With				X			
CH-CW-1.6	Comply With				X			
CH-CW-1.7	Comply With				X			
CH-CW-1.8	Comply With				X			
CH-CW-4.1	Comply With					X		
CH-CW-6.1	Comply With					X		
CH-CW-7.1	Comply With					X		
CH-CW-10.1	Comply With					X		
CH-CW-11.1	Comply With					X		
CH-CW-12.1	Comply With					X		
CH-CW-14.1	Comply With					X		
CH-NB-1.10	Non- binding						X	
CH-NB-1.11	Non- binding						X	
CH-NB-1.12	Non- binding						X	
CH-NB-1.9	Non-binding				X			X
CH-NB-3.6	Non- binding							X
CH-NB-13.1	Non- binding				X			X
CH-NB-15.1	Non-binding				X			X

13.6 Schedule A: City of Hamilton, Lynden Rural Settlement Area- Communal Well Supply



Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
	10	8	2,4,6
1. Waste Disposal			
2. Sewage Systems			
3, 4. Agricultural Source Material			
6, 7. Non-Agricultural Source Material*			
8, 9. Commercial Fertilizer*			
10, 11. Pesticide			
12, 13. Road Salt*			
14. Storage of Snow			
15. Fuel			
16. DNAPLs			
17. Organic Solvents			
18. Aircraft De-icing			
21. Livestock Area			
Local Threat			
Oil Pipelines			

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within the Non-GUDI Wellhead Protection Zones shown on this map. For details refer to the text of the Source Protection Plan and the Ministry of the Environment Drinking Water Threats Tables.
 *Application of Commercial Fertilizer, Non-Agricultural Source Material, and Road Salt may not be a significant drinking water threat in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of the plan for further details.

Well
 Road
 Minor River
 Lake / Main River

Wellhead Protection Zones:

WHPA-A
 WHPA-B
 WHPA-C



1. Updated July 20, 2018
 2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
 3. This map is for illustrative purposes only. Information contained hereon is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

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