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16.0 HALDIMAND COUNTY

The following Haldimand County Source Protection Plan policies apply to the Dunnville Grand River Emergency Intake within the Grand River watershed as presented in Schedule A.

16.1 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 Haldimand County Source Protection Policies.

Existing – means a use or activity at a location in a vulnerable area that is in compliance with all applicable regulations on or prior to the effective date of the Source Protection Plan.

New or Future – means a use or activity that is not existing, as defined in this section of the Source Protection Plan.

County – means the Corporation of the County of Haldimand.

16.2 Haldimand County Source Protection Plan Policies

Policy Number	Source Protection Plan Policies within Haldimand County
Implementation Timing Policies	
HC-CW-1.1 <i>Implementation & Timing</i>	Except as set out below, the policies contained in this Source Protection Plan shall come into effect on the date set by the Minister. <ol style="list-style-type: none"> a. Where the Source Protection Policies require the County of Haldimand to develop and implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat, and where they are deemed necessary and/or appropriate by the County of Haldimand and subject to available funding, such programs shall be developed and implemented within five (5) years from the date the Source Protection Plan takes effect; b. For Sections 43 of the <i>Clean Water Act, 2006</i> if a significant drinking water threat activity was engaged in at a particular location before this Source Protection Plan took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect; and, c. For Section 40 and 42 of the <i>Clean Water Act, 2006</i> the Official Plan and Zoning By-Laws must be amended to conform to 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.
Official Plan and Zoning By-law Amendment(s) Policies	
HC-MC-1.2 <i>Future Land Use Planning</i>	The County of Haldimand shall amend their Official Plan and Zoning By-Laws to: <ol style="list-style-type: none"> a. Identify the vulnerable areas in which drinking water threats prescribed under the <i>Clean Water Act, 2006</i> would be significant; b. Indicate that within the areas identified, any land 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 the Source Protection Plan; and c. Incorporate any other amendments required to conform to the threat specific land

Policy Number	Source Protection Plan Policies within Haldimand County
	use policies identified in this Source Protection Plan.
Education and Outreach Programs	
HC-CW-1.3 <i>Existing/Future Education & Outreach</i> <i>IPZ-1-v.10, IPZ-2-v.9</i>	To ensure the following activities cease to be or never become significant drinking water threats, where the activities are or would be a significant drinking water threat, Haldimand County will develop and implement education and outreach programs for the following activities: <ol style="list-style-type: none"> a. The existing and future establishment, operation or maintenance of a waste disposal site, within the meaning of Part V or the Environmental Protection Act that does not require an Environmental Compliance Approval. The program should focus on the proper handling, storage and disposal of wastes; b. The future storage of sewage and/or sewage treatment plant effluent discharges. The program should focus on improving the knowledge of operators, the general public and elected officials about the performance and operation of sewage treatment plants; c. The existing and future application of commercial fertilizer and pesticides to land. The program should encourage the use of best management practices; d. The existing handling and storage of commercial fertilizer and pesticides. The program should outline, at a minimum, the requirements of proper maintenance for commercial fertilizer and pesticide storage and the steps to be taken if there is a spill or leak detected; e. The existing handling and storage and future residential handling and storage of dense non-aqueous phase liquids (DNAPL) and organic solvents. The program should outline, at a minimum, the requirements of proper maintenance for DNAPL and organic solvents storage and the steps to be taken if there is a spill or leak detected; and f. The future use of land as livestock grazing or pasturing land, an outdoor confinement area or farm animal yard. The program should encourage landowners to use best management practices.
Annual Reporting	
HC-CW-1.4 <i>Monitoring</i>	The County of Haldimand shall provide a report to the Source Protection Authority, by February 1 st of each year, summarizing the actions taken to implement the Source Protection Plan policies. Where the County is required to implement education and outreach programs as the primary means of managing the risk associated with significant drinking water threats, the County shall provide a report to the Source Protection Authority. This report must indicate, at a minimum, the properties where these programs were implemented and additional details on how the significant drinking water threat was managed and/or ceased to be significant.
HC-CW-1.5 <i>Monitoring</i>	Where the County of Haldimand is required to amend their Official Plan and/or Zoning By-law and provide proof of compliance to the Source Protection Authority, they shall do so within 30 days of final approval of the amendment(s).
HC-CW-1.6 <i>Monitoring</i>	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 the actions taken. The applicable Ministry shall provide a written report summarizing this information to the Source Protection Authority by February 1 st of each year.
Strategic Action	
Spill Prevention, Spill Contingency or Emergency Response Plans	

Policy Number	Source Protection Plan Policies within Haldimand County
HC-NB-1.7 <i>Existing/Future Specify Action</i>	To reduce the risks to drinking water from spills that occur within an Intake Protection Zone along highways, railway lines and shipping lanes, the Ministry of the Environment is encouraged to incorporate mapping of Intake Protection Zones into their Emergency Response Plan and Spills Action Centre mapping, respectively. The mapping should be included in both the Emergency Response Plan and Spill Action Centre resource mapping within two (2) years of the Source Protection Plan taking effect.
HC-NB-1.8 <i>Existing/Future Specify Action</i>	To reduce the risks to drinking water from spills that occur within an Intake Protection Zone along highways, railway lines and shipping lanes, Haldimand County shall request all businesses and industries within an Intake Protection Zone with Spill Prevention / Contingency Plans ('Plan') incorporate the information regarding the location of the Intake Protection Zone into their Plans, including notifying the municipality when a spill occurs. If a Plan does not exist, businesses / industries will be encouraged to prepare one as above and to review it annually.
Interpretation	
HC-CW-1.9 <i>Interpretation of Source Protection Plan</i>	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. <ul style="list-style-type: none"> 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>. 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.

16.3 Policies Addressing Prescribed Drinking Water Threats

Policy Number	Policies Addressing Prescribed Drinking Water Threats within Haldimand County
1. Establishment, Operation or Maintenance of a Waste Disposal Site, within the Meaning of Part V of the Environmental Protection Act	
HC-MC-2.1 <i>Future Prescribed Instr. IPZ-1-v.10; IPZ-2-v.8</i>	To ensure that any future waste disposal site within the meaning of Part V of the <i>Environmental Protection Act</i> that is subject to an Environmental Compliance Approval never becomes a significant drinking water threat, where such activity would be a significant drinking water threat, the Ministry of the Environment shall prohibit this activity through the Environmental Compliance Approval process.
HC-MC-2.2 <i>Existing Prescribed Instr. IPZ-1-v.10; PZ-2-v.8</i>	To ensure that any existing waste disposal site within the meaning of Part V of the <i>Environmental Protection Act</i> that is subject to an Environmental Compliance Approval ceases to be a significant drinking water threat, where this activity is a significant drinking water threat, the Ministry of the Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will reduce the risk to drinking water sources.
2. Establishment, Operation or Maintenance of a System That Collects, Stores, Transmits, Treats or Disposes of Sewage	

Policy Number	Policies Addressing Prescribed Drinking Water Threats within Haldimand County
Sewage System or Sewage System or	Sewage Works- Septic System Sewage Works- Septic System Holding Tank
HC-MC-3.1 <i>Existing/Future Prescribed Instr. IPZ-1-v.10</i>	To ensure that any existing or future on-site septic system regulated under Section 53 of the <i>Ontario Water Resources Act</i> 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 Ministry of Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will reduce the risk to drinking water sources. Terms and conditions may include, but not be limited to, inspection and monitoring protocols and upgrading requirements as system standards change.
HC-NB-3.2 <i>Existing Incentive Program IPZ-1-v.10</i>	To ensure that any existing on-site septic system, where such an activity is a significant drinking water threat, ceases to be a significant drinking water threat, the Ministry of the Environment shall consider providing on-going funding through the Ontario Drinking Water Stewardship Program or a similar program for septic system upgrades and replacements.
HC-MC-3.3 <i>Future Land Use Planning IPZ-1-v.10</i>	To ensure that future on-site septic systems never become a significant drinking water threat, where such an activity would be a significant drinking water threat, Haldimand County shall only approve on-site septic systems if: <ul style="list-style-type: none"> a. Future lot sizes are of sufficient size to accommodate the required, on-site private servicing; and b. A system evaluation prepared by a qualified individual has demonstrated, to the satisfaction of Haldimand County, the suitability of the lot size, location of the system and that the system will never become a significant drinking water threat.
HC-CW-3.4 <i>Existing Specify Action IPZ-1-v.10</i>	To ensure that any existing on-site septic system, including upgrades and replacements to such system, with a design flow of less than or equal to 10,000 Litres per day and subject to approval under the <i>Ontario Building Code Act</i> or the <i>Ontario Water Resources Act</i> and located within an Intake Protection Zone, where such an activity is a significant drinking water threat, ceases to be a significant drinking water threat, Haldimand County shall implement an on-site septic system maintenance inspection program, as required under the <i>Ontario Building Code Act</i> . Inspections should be prioritized based on the proximity to the drinking water supply.
Sewage System or Sewage System or	Sewage Works- Storage of Sewage (e.g., treatment plant tanks) Sewage Works- Sewage Treatment Plant Effluent Discharges (includes lagoons)
HC-MC-3.5 <i>Future Prescribed Instr. IPZ-1-v.10; IPZ-2-v.8</i>	To ensure that the future storage of sewage at a sewage treatment plant and/or sewage treatment plant effluent discharges never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, the Ministry of Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, reduce the risk to drinking water sources. The terms and conditions may include, but not be limited to, strict criteria for effluent quality, appropriate sizing to reduce by-passes, and requirements for regular inspections and proactive maintenance of the works to prevent unplanned discharges.
HC-CW-3.6 <i>Future Specify Action IPZ-1-v.10; IPZ-2-v.8</i>	To ensure that the storage of sewage and/or sewage treatment plant effluent discharges never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, Haldimand County shall continue to participate in available programs such as the Grand River Watershed Wastewater Optimization Program.
Sewage System or	Sewage Works- Sanitary Sewers and Related Pipes
HC-MC-3.7	To ensure that existing and new sanitary sewer and related pipes cease to be or never

Policy Number	Policies Addressing Prescribed Drinking Water Threats within Haldimand County
<i>Existing/Future Prescribed Instr.</i> IPZ-1-v.10	become a significant drinking water threat, where such an activity is or would be a significant drinking water threat, the Ministry of Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will reduce the risk to drinking water sources. Terms and conditions may include, but not be limited to, increased inspection and monitoring protocols, improved leak detection and documentation of maintenance and repairs.
Sewage System or Sewage Works- Discharge of Stormwater from a Stormwater Management Facility	
HC-MC-3.8 <i>Future Land Use Planning</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that the discharge of stormwater from a stormwater management facility never becomes a significant drinking water threat, Haldimand County shall require all new developments with a discharge of stormwater from a stormwater management facility, where such an activity would be a significant drinking water threat, to include an integrated treatment approach for the stormwater and a requirement to explore alternatives to conventional stormwater management facilities.
HC-MC-3.9 <i>Existing/Future Prescribed Instr.</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that existing and future discharge of stormwater from a stormwater management facility never becomes or ceases to be a significant drinking water threat, where this activity is or would be a significant drinking water threat, the Ministry of Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will reduce the risk to drinking water sources. Terms and conditions may include, but not be limited to, current best management practices, requirements for regular maintenance, periodic removal of accumulated sediment, lining of the pond, ongoing monitoring (by the owner) of the contaminant discharges, and other requirements to address site conditions.
Sewage System or Sewage Works- Industrial Effluent Discharges	
HC-MC-3.10 <i>Existing/Future Prescribed Instr.</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that existing and future industrial effluent discharges 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 Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will meet the objectives of the <i>Clean Water Act</i> . Terms and Conditions may include, but not be limited to, requirements for monitoring/reporting, education of operators and a high level of effluent treatment.
HC-NB-3.11 <i>Existing/Future Specify Action</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that existing and future industrial effluent discharges never become or cease to be significant drinking water threats, the Ministry of Environment shall consider information in the approved Grand River Assessment Report and treat significant drinking water threat facilities as one of the program priorities when identifying facilities for inspection.
HC-CW-3.12 <i>Existing Specify Action</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that existing industrial effluent discharges cease to be a significant drinking water threat, Haldimand County will contact industrial operators to request that they provide their emergency contingency and/or protection plan and subsequent updates to Haldimand County on an annual basis and to encourage industrial operators to list significant drinking water threats within these plans to ensure the protection of drinking water sources.
Sewage System or Sewage Works- Sewage Treatment Plant By-pass Discharge to Surface Water	
HC-MC-3.13 <i>Future Prescribed Instr.</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that sewage treatment plant by-pass discharge to surface water never becomes a significant drinking water threat, where such activities would be significant drinking water threats, the Ministry of Environment shall ensure Environmental Compliance Approvals include terms and conditions that, when implemented, will reduce the risk to drinking water sources.

Policy Number	Policies Addressing Prescribed Drinking Water Threats within Haldimand County
3. The Application of Agricultural Source Material to Land 4. The Storage of Agricultural Source Material	
HC-MC-4.1 <i>Future Prescribed Instr.</i> IPZ-1-v.10; IPZ-2-v.8	To ensure that the future application and storage of agricultural source materials, where such activities would be significant drinking water threats, never become a significant drinking water threat, the Ontario Ministry of Agriculture, Food and Rural Affairs shall ensure Nutrient Management Strategies and Plans include terms and conditions that, when implemented, will reduce the risk to drinking water sources.
6. The Application of Non-Agricultural Source Material (NASM) to Land 7. The Handling and Storage of Non-Agricultural Source Material (NASM)	
HC-MC-5.1 <i>Future Prescribed Instr.</i> IPZ-1-v.10; IPZ-2-v.8 <i>Only applies to the application of NASM containing material from a meat plant or sewage works</i>	To ensure that the application and storage and handling of non-agricultural source materials (NASM), where NASM is presently regulated under the <i>Nutrient Management Act</i> or the <i>Environmental Protection Act</i> cease to be or never become significant drinking water threats, where such activities are or would be significant drinking water threats, the Ministry of the Environment or Ontario Ministry of Agriculture, Foods and Rural Affairs shall ensure NASM Plans include terms and conditions that, when implemented, will reduce the risk to drinking water sources.
9. The Handling and Storage of Commercial Fertilizer 10. The Application of Pesticides to Land 11. The Handling and Storage of Pesticides	
HC-NB-6.1 <i>Future Specify Action</i> IPZ-1-v.10	To ensure that the future application of pesticides to land, where such an activity would be a significant drinking water threat, never becomes a significant drinking water threat, the Ministry of Environment shall consider developing source water protection training materials for permit applicants under the <i>Pesticides Act</i> . Further, the Ministry of Environment shall prioritize inspections of pesticide permit holders for lands within the Dunnville Water Treatment Plant Emergency Intake Protection Zone 1.
HC-MC-6.2 <i>Future Land Use Planning</i> IPZ-1-v.10	To ensure that the future handling and storage of commercial fertilizer and pesticides, where such activities would be significant drinking water threats, never becomes a significant drinking water threat; Haldimand County shall prohibit the storage of commercial fertilizer and pesticides through municipal planning tools.
12. The Application of Road Salt 13. The Handling and Storage of Road Salt	
HC-CW-7.1 <i>Future Specify Action</i> IPZ-1-v.10	To ensure that the future application, handling and storage of road salt never becomes a significant drinking water threat, where such activities would be significant drinking water threats, Haldimand County shall amend its winter maintenance and salt management plans to identify the Intake Protection Zone areas associated with municipal drinking water systems, include source water protection policies and enhance best management practices in these areas. Haldimand County shall amend its winter maintenance and salt management plans in accordance with this policy within five (5) years of the Source Protection Plan approval.
HC-CW-7.2 <i>Future Specify Action</i> IPZ-1-v.10	To ensure that the future handling and storage of road salt never becomes a significant drinking water threat, where such activities would be significant drinking water threats, Haldimand County will engage private de-icing contractors and request they amend their salt management plans to identify the Intake Protection Zones, and to enhance best management practices within these areas. Furthermore, private contractors will be

Policy Number	Policies Addressing Prescribed Drinking Water Threats within Haldimand County
	encouraged to obtain “Smart About Salt TM ” accreditation.
HC-MC-7.3 <i>Future Land Use Planning IPZ-1-v.10</i>	To ensure that the future handling and storage of road salt never becomes a significant drinking water threat, where such activities would be significant drinking water threats, future road salt storage facilities, where permitted by the Official Plan and Zoning By-law, will only be permitted if the road salt is contained in covered roof storage facilities and a salt impact assessment and/or salt management plan has been completed that demonstrates, to the satisfaction of Haldimand County, that negative impacts to municipal drinking water systems are minimized.
14. The Storage of Snow	
HC-CW-8.1 <i>Future Specify Action IPZ-1-v.10</i>	To ensure that the future storage of snow, where such an activity would be a significant drinking water threat, never becomes a significant drinking water threat, Haldimand County shall prepare and/or amend its municipal planning approvals/ current municipal plans such as its winter maintenance and salt management plans to identify Intake Protection Zone areas associated with municipal drinking water systems, and may include source water protection measures including best management practices to minimize the impact of winter snow storage.
15. The Handling and Storage of Fuel	
HC-MC-9.1 <i>Future Land Use Planning IPZ-1-v.10</i>	To ensure that the future handling and storage of fuel greater than 2500 Litres never becomes a significant drinking water threat, where such an activity would be significant drinking water threat, Haldimand County shall prohibit this activity through municipal planning tools.
16. The Handling and Storage of a Dense Non-Aqueous Phase Liquid (DNAPL)	
17. The Handling and Storage of an Organic Solvent	
HC-MC-10.1 <i>Future Land Use Planning IPZ-1-v.10</i>	To ensure that the future handling and storage of dense non-aqueous phase liquids and organic solvents for industrial, commercial or institutional purposes, never becomes a significant drinking water threat; Haldimand County will prohibit the activities through municipal planning tools.
18. The Management of Runoff that Contains Chemicals Used in De-icing of Aircraft	
HC-CW-11.1 <i>Future Specify Action IPZ-1-v.10</i> <i>Monitoring</i>	To ensure that future runoff that contains chemicals used in the de-icing of aircrafts never becomes a significant drinking water threat, where such an activity would be a significant drinking water threat, Haldimand County shall encourage the Airport Authority as part of the airport approval process to use existing Federal regulations for the proper management of the runoff from de-icing of aircrafts. Further, Haldimand County shall document any environmental assessments that have been initiated for new airport facilities within vulnerable areas and provide them to the Source Protection Authority.

16.4 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: HC-CW-1.1, HC-MC-1.2, HC-MC-3.3, HC-MC-3.8, HC-MC-6.2, HC-MC-7.3, HC-MC-9.1, HC-MC-10.1.

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: CW-CW-1.1, HC-MC-2.1, HC-MC-2.2, HC-MC-3.1, HC-MC-3.5, HC-MC-3.7, HC-MC-3.9, HC-MC-3.10, HC-MC-3.13, HC-MC-4.1, HC-MC-5.1.

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: HC-MC-1.1, HC-CW-1.3, HC-CW-1.9, HC-CW-3.4, HC-CW-3.6, HC-CW-3.12; HC-CW-7.1, HC-CW-7.2, HC-CW-8.1, HC-CW-11.1.

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: HC-CW-1.4, HC-CW-1.5, HC-CW-1.6, HC-CW-11.1

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.”

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.”

Content: No Applicable Policies

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 use) of the *Clean Water Act*.”

Content: No Applicable Policies

LIST J

Title: Strategic Action policies

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

Content: HC-NB-1.7, HC-NB-1.8

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: HC-NB-3.2, HC-NB-3.11, HC-NB-6.1

16.5 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)

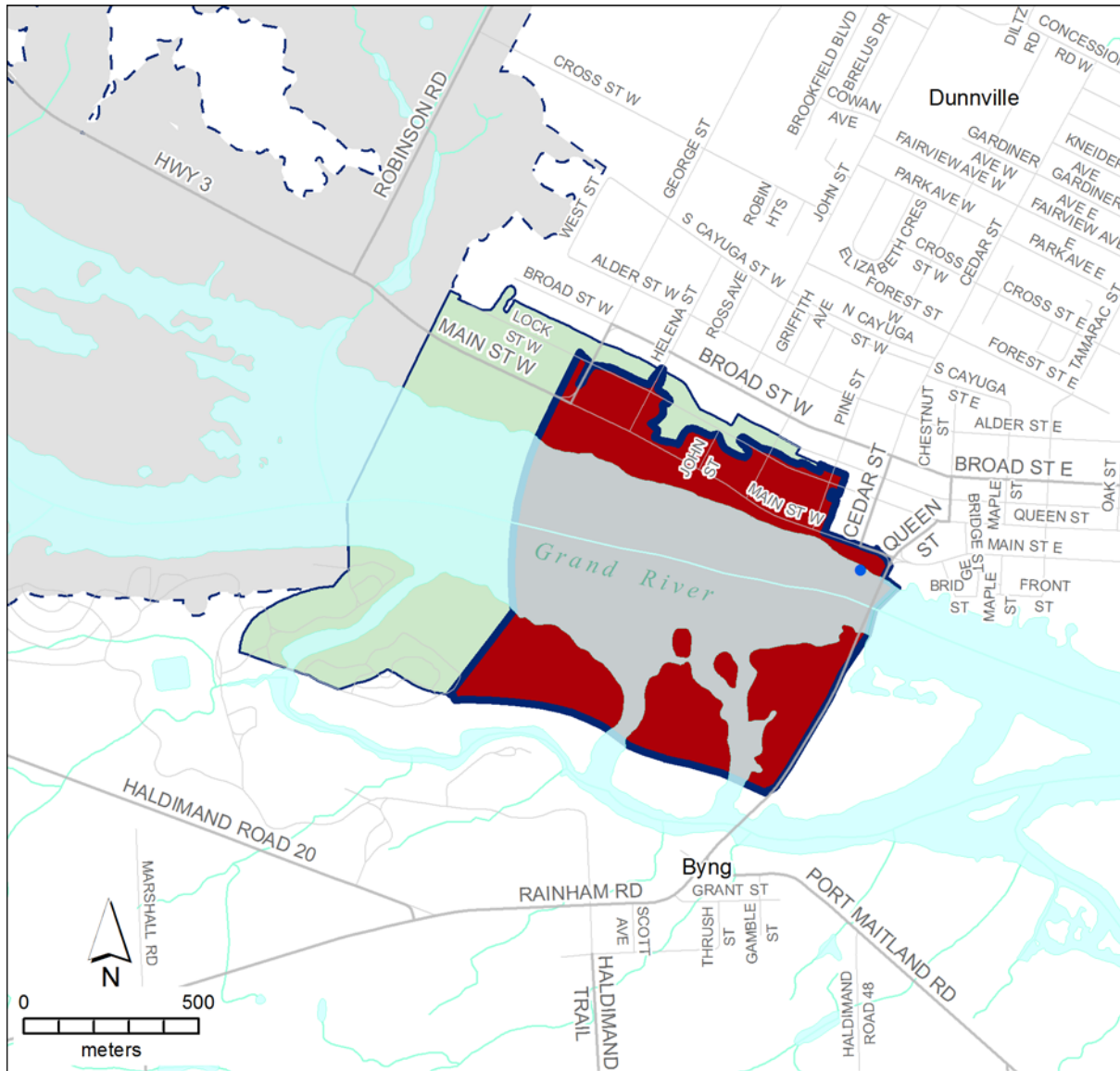
Policy #	Legal Effect (conform with, have regard to)	Environmental Protection Act	Nutrient Management Act	Ontario Water Resources Act	Pesticides Act
HC-CW-1.1	Comply With	x		x	
HC-MC-2.1	Must Conform	x			
HC-MC-2.2	Must Conform	x			
HC-MC-3.1	Must Conform	x		x	
HC-MC-3.5	Must Conform	x		x	
HC-CW-3.7	Must Conform	x		x	
HC-MC-3.9	Must Conform	x		x	
HC-MC-3.10	Must Conform	x		x	
HC-MC-3.13	Must Conform	x		x	
HC-MC-4.1	Must Conform		x		
HC-MC-5.1	Must Conform	x	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 Clean Water Act (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)
HC-CW-1.1	Comply With	x	x	x				
HC-MC-1.2	Must Conform	x						
HC-MC-3.3	Must Conform	x						
HC-MC-3.8	Must Conform	x						
HC-MC-6.2	Must Conform	x						
HC-MC-7.3	Must Conform	x						
HC-MC-9.1	Must Conform	x						
HC-MC-10.1	Must Conform	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 Clean Water Act (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)
HC-MC-2.1	Must Conform		x					
HC-MC-2.2	Must Conform		x					
HC-MC-3.1	Must Conform		x					
HC-MC-3.5	Must Conform		x					
HC-MC-3.7	Must Conform		x					
HC-MC-3.9	Must Conform		x					
HC-MC-3.10	Must Conform		x					
HC-MC-3.13	Must Conform		x					
HC-MC-4.1	Must Conform		x					
HC-MC-5.1	Must Conform		x					
HC-CW-1.3	Comply With			x				
HC-CW-1.9	Comply With			x				
HC-CW-3.4	Comply With			x				
HC-CW-3.6	Comply With			x				
HC-NB-3.12	Comply With			x				
HC-CW-7.1	Comply With			x				
HC-CW-7.2	Comply With			x				
HC-CW-8.1	Comply With			x				
HC-CW-11.1	Comply With			x	x			
HC-CW-1.4	Comply With				x			
HC-CW-1.5	Comply With				x			
HC-CW-1.6	Comply With				x			
HC-NB-1.7	Non-binding						x	
HC-NB-1.8	Non-binding						x	
HC-NB-3.2	Non-binding							x
HC-NB-3.11	Non-binding							x
HC-NB-6.1	Non-binding							x

16.6 Schedule A: Haldimand County Dunnville Water Treatment Plan Emergency Intake: Intake Protection Zones



Significant Drinking Water Threat Policy Applicability

Significant Drinking Water Threat Policy Categories	Vulnerability Scores on Map		
	10	9	8
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			█

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 Intake 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.

Legend for map features:

- Roads (grey line)
- Minor Rivers (light blue line)
- Lakes / Main Rivers (light blue area)
- Intake (blue dot)

Intake Protection Zones:

- IPZ-1 (thick blue line)
- IPZ-2 (medium blue line)
- IPZ-3 (thin blue line)



1. Updated October 24, 2014
 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.