

## AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region

### 10.1.2 Definitions

#### Existing Threat Activity

An existing threat activity shall mean the following, unless expressly stated in a policy:

- a) an existing use, activity, building or structure at a location in a vulnerable area that is in compliance with all applicable requirements, and that was being used or had been established for the purposes of undertaking the threat activity, at any time within ten years prior to the date of approval of the Source Protection Plan, or
- b) an expansion of an existing use or activity that reduces the risk of contaminating drinking water nor depletes drinking water sources, or
- c) an expansion, alteration or replacement of an existing building or structure that does not increase the risk of contaminating drinking water nor depletes drinking water sources.

For clarity, the definition of an existing threat activity includes a change in land ownership and the rotation of agricultural lands among crops or fallow conditions, and allows for alternating between sources of nitrates (agricultural source material, commercial fertilizer, and Category 1 non-agricultural source material).

Future threat activities are anything not covered under existing.

#### Transition

"Existing Threat" policies apply to prescribed drinking water threat activities under the following circumstances:

- 1) A drinking water threat activity that is part of a development proposal where a Complete Application (as determined by the municipality or Niagara Escarpment Commission) was made under the *Planning Act*, ~~or Condominium Act~~ or Niagara Escarpment Planning and Development Act (NEPDA) prior to the day the Source Protection Plan comes into effect. The policy for "existing" drinking water threats also applies to any further applications required under the *Planning Act*, *Condominium Act*, ~~or~~ Prescribed Instruments, or a development permit under the NEPDA, to implement the development proposal.
- 2) A drinking water threat activity that is part of an application accepted for a Building Permit, which has been submitted in compliance with Division C 1.3.1.3 (5) of the *Ontario Building Code* prior to the day the Source Protection Plan comes into effect.
- 3) A drinking water threat activity that is part of an application accepted for the issuance or amendment of a prescribed instrument prior to the day the source protection plan comes into effect.

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region****10.1.3 Timelines for Implementation**

The following table (**Table 10-1**) outlines the implementation timelines for the policies in the Source Protection Plan. In the policy tables organized by threat, the third column from the right called “When Policy Applies” contains a brief description of the timeline associated with the existing or future policy and the timeline code (i.e., T-1, T-2), that corresponds to the timelines outlined in the following table. These timeline policies (**Table 10-1**) provide greater detail on when the policy applies than the short reference contained within the threat specific policy.

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region****Table 10-1: Timelines for Policy Implementation**

Policy ID	Timelines for Policy Implementation
<b>Prescribed Instruments</b>	
T-1	Prescribed Instruments (existing) shall be reviewed (and amended, as necessary) within 3 years of the date the Source Protection Plan takes effect, or such other date as the Director determines.
T-2	Prescribed Instruments (existing), where prohibited, shall not be renewed when the current Prescribed Instrument expires, and the significant threat activity to which the Prescribed Instrument pertains, shall cease no later than 5 years from the date the Source Protection Plan takes effect.
T-3	The relevant Ministry shall comply with the Prescribed Instrument policy (future) immediately upon the date the Source Protection Plan takes effect.
<b>Part IV Tools</b>	
T-4	Activities (existing) designated for the purpose of s.57 under the Clean Water Act as prohibited, shall be prohibited by the Risk Management Official within 180 days from the date the Source Protection Plan takes effect as per s. 57(2) under the Clean Water Act, unless otherwise specified within the policy.
T-5	Activities (future) designated for the purpose of s.57 under the Clean Water Act are prohibited immediately upon the date the Source Protection Plan takes effect.
T-6	Activities (existing) designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, shall be identified and confirmed within 1 year by the Risk Management Official. Risk management plans shall be established within 5 years from the date the Source Protection Plan takes effect.
T-7	Activities (future) designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, are prohibited until such time as a risk management plan is approved by the Risk Management Official, immediately upon the date the Source Protection Plan takes effect.
<b>Land Use Planning</b>	
T-8	Official plans <del>and zoning by-laws</del> shall be amended for conformity with the Source Protection Plan within 5 years from the date the Source Protection Plan takes effect, or at the time of the next review in accordance with s.26 of the Planning Act, whichever occurs first. <u>Zoning by-laws shall be amended within 3 years after the approval of the official plan.</u>
T-9	Planning approval authorities shall <del>comply conform</del> with the policy immediately upon the date the Source Protection Plan takes effect.
<b>Education and Outreach, Incentives, Research</b>	
T-10	Education and outreach (materials, programs, etc.) shall be developed and implemented within 2 years from the date the Source Protection Plan takes effect.
T-11	Incentives shall be considered within 2 years from the date the Source Protection Plan takes effect.
T-12	Research shall be initiated within 2 years from the date the Source Protection Plan takes effect, contingent on funding.
<b>Specify Action</b>	
T-13	A prioritized maintenance inspection program shall be in effect no later than January 2017.
T-14	The policy shall be complied with within 180 days from the date the Source Protection Plan takes effect.
T-15	The policy shall be considered within 2 years from the date the Source Protection Plan takes effect.
T-16	The policy shall be initiated within 2 years from the date the Source Protection Plan takes effect.
<del>T-17</del>	<u>The policy shall be implemented within 2 years from the date the Source Protection Plan takes effect.</u>
<del>T-18</del>	The policy shall be implemented immediately upon the date the Source Protection Plan takes effect.

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Policy ID	Implementing Body	Legal Effect	Policy	When Policy Applies	Related Policies	Monitoring Policy
GEN-1	Municipality	A I	<p><b>s.59 Restricted Land Uses</b></p> <p>All land uses <del>except solely residential uses,</del> are designated for the purpose of Section 59 Restricted Land Uses under the <i>Clean Water Act, 2006</i> in all areas where the following activities are, or would be, a significant drinking water threat:</p> <ul style="list-style-type: none"> <li>• The establishment, operation or maintenance of a waste disposal site (within the meaning of Part V of the <i>Environmental Protection Act</i>) that does not require approval under the <i>Environmental Protection Act</i> or the <i>Ontario Water Resources Act</i> (<u>excluding wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste</u>)</li> <li>• The application or storage of agricultural source material</li> <li>• <u>The application or storage of non-agricultural source material (Category 1)</u></li> <li>• The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard</li> <li>• The application, handling or storage of commercial fertilizer</li> <li>• <u>The application of pesticide to land</u></li> <li>• The handling and storage of pesticide at a manufacturing, processing or wholesaling facility, retail outlet or custom applicator’s storage yard</li> <li>• The application, handling and storage of road salt</li> <li>• The storage of snow (snow dumps)</li> <li>• The handling and storage of fuel that requires s.57 Prohibition or s.58 Risk Management Plan</li> <li>• The handling and storage of DNAPLs and organic solvents</li> <li>• The management of runoff that contains chemicals used in the de-icing of aircraft</li> <li>• <u>An activity that reduces recharge of an aquifer</u></li> </ul>	Immediately (T-9)	<p>WST-6 ASM-2 ASM-4 <u>NASM-1</u> <u>NASM-2</u> LIV-1 LIV-3 FER-2 FER-3 PES-1 PES-2 SAL-1 SAL-2 SAL-7 SNO-1 FUEL-3 DNAP-1 OS-1 DI-1 <u>REC-2</u></p>	MON-1

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Policy ID	Implementing Body	Legal Effect	Policy	When Policy Applies	Related Policies	Monitoring Policy
<u>GEN-2</u>	<u>Municipality</u>	E	<p><b><u>Specify Action</u></b></p> <p>Where an activity requires a Risk Management Plan, the municipality shall ensure through their authority that the RMO and RMI responsible for enforcement will establish a priority for how inspections will be conducted to ensure that the activity ceases to be, or does not become, a significant drinking water threat. Ongoing inspections should be conducted at least once every five 5 years or on a basis deemed appropriate by the RMO and RMI.</p>	See Policy	<p><u>WST-6</u>    <u>PES-2</u>  <u>ASM-2</u>    <u>SAL-1</u>  <u>ASM-4</u>    <u>SAL-2</u>  <u>NASM-1</u>    <u>SAL-7</u>  <u>NASM-2</u>    <u>SNO-1</u>  <u>LIV-1</u>    <u>FUEL-3</u>  <u>LIV-3</u>    <u>DNAP-1</u>  <u>FER-2</u>    <u>OS-1</u>  <u>FER-3</u>    <u>DI-1</u>  <u>PES-1</u>    <u>REC-2</u></p>	<u>MON-1</u>
<u>GEN-3</u> <u>GEN-5</u>	Provincial Ministry	K	<p><b><u>Specify Action</u></b></p> <p>Where an activity <del>that is, or would be, a significant drinking water threat</del> requires approval using a Prescribed Instrument, the regulatory authority shall undertake compliance/verification inspections to confirm that any new or amended conditions of approval are, or have been, implemented by the facility owner within 3 years of the date of the new or amended approval <u>to ensure that the activity ceases to be, or does not become, a significant drinking water threat</u>. Ongoing inspections should be conducted at <del>least once every</del> <u>no less than 5 years intervals or on a basis deemed appropriate by the Issuing Director</u>.</p>	See Policy	<p><del>WST-1</del>    <del>NASM-1</del>  WST-4    <del>NASM-2</del>  <u>WST-7</u>    LIV-2  SWG-8    <del>LIV-4</del>  SWG-11    FER-1  SWG-13    <del>FER-4</del>  SWG-15    FUEL-1  SWG-17    FUEL-2  ASM-1    LO-SEW-1  ASM-3    LO-SEW-2  <del>ASM-5</del>    DEM-1</p>	MON-4
<u>GEN-4</u> <u>GEN-2</u>	MOECC	K	<p><b><u>Incentive</u></b></p> <p>The Ministry of the Environment <u>and Climate Change</u> should maintain and expand the Ontario Drinking Water Stewardship Program and/or fund other relevant programs to enable local delivery to implement risk management measures for the following activities where they are a significant drinking water threats:</p> <ol style="list-style-type: none"> <li>Septic systems governed under the <i>Building Code Act</i>;</li> <li>Application and storage of ASM;</li> <li>Application, handling and storage of NASM;</li> <li>Use of land as livestock grazing or pasturing land, an outdoor confinement area or farm-animal yard. O. Reg. 385/08, s. 3;</li> <li>Application, handling and storage of fertilizer; and</li> <li>Application, handling and storage of pesticide.</li> </ol>	Existing: <u>Consider within</u> 2 years (T-15)	<p>SWG  ASM  NASM  LIV  FER  PES</p>	MON-4

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Policy ID	Implementing Body	Legal Effect	Policy	When Policy Applies	Related Policies	Monitoring Policy
<u>GEN-5</u>	<u>Municipality</u>	<u>E</u>	<p><u>Incentive</u></p> <p><u>Where an activity is a significant drinking water threat, the municipality shall consider providing incentive programs to encourage actions to reduce the risks to source water.</u></p>	<p><u>Existing: Consider within 2 years (T-15)</u></p>	<u>All Threats</u>	<u>MON-1</u>
<u>GEN-3</u> <u>GEN-6</u>	<u>MOECC</u>	<u>K</u>	<p><b>Specify Action</b></p> <p>The Ministry of the Environment <u>and Climate Change</u> is requested to continue its funding to municipalities and Source Protection Authorities under source protection programs to continue local research into <u>issues</u> (nitrogen, pathogen, sodium, chloride) to determine where the following activities are a contributing source of the contaminant in Issue Contributing Areas:</p> <p>a) Septic systems governed under the <i>Building Code Act</i> and the <i>Ontario Water Resources Act</i>;                      b) Discharge of untreated stormwater from a stormwater retention pond;                      c) Application and storage of ASM;                      d) Application, handling and storage of NASM;                      e) Use of land as livestock grazing or pasturing land, an outdoor confinement area or farm-animal yard. O. Reg. 385/08, s. 3;                      f) Application, handling and storage of fertilizer; and                      g) Application, handling and storage of road salt.</p>	<p><u>Existing: Consider within 2 years (T-15)</u></p>	<p>SWG                      ASM                      NASM                      LIV                      FER                      SAL</p>	MON-4
<u>GEN-4</u> <u>GEN-7</u>	Municipality	<u>E</u>	<p><b>Specify Action</b></p> <p>Where municipal groundwater monitoring shows increasing or decreasing trends and/or exceeds Ontario Drinking Water Standards, the municipality shall investigate and share the information with the RMO, <u>MOECC</u>, OMAFRA (for nitrates or pathogens) and the Source Protection Authority.</p>	<p><u>Existing &amp; Future: Initiate within 2 years (T-12)</u></p>	All <u>Nitrogen and Pathogen ICA</u> Threats	MON-1

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Policy ID	Implementing Body	Legal Effect	Policy	When Policy Applies	Related Policies	Monitoring Policy
<del>GEN-6</del> <del>GEN-8</del>	Municipality	J	<p><b>Specify Action</b></p> <p>Where education and outreach materials are prepared and delivered to significant drinking water threats areas, the municipality is encouraged to deliver those materials to affected properties and businesses in moderate and low threat areas.</p>	<p><u>Existing &amp; Future:</u> <u>Consider within</u> 2 years (T-15)</p>	<p>SWG-2 SAL-8 SWG-7 FUEL-4 <u>SWG-10</u> DNAP-2 NASM-5 OS-2 FER-6 DEM-5 PES-3 <u>REC-3</u></p>	MON-1
OTHER-1	Niagara Escarpment Commission	K	<p><b>Specify Action</b></p> <p>The Niagara Escarpment Commission is requested to initiate amendments to the Niagara Escarpment Plan, no later than in their next scheduled plan review cycle, to incorporate from the Source Protection Plans the relevant policies, restrictions and conditions into appropriate sections of the NEP, in order to protect existing and future drinking water sources in Source Protection Areas by ensuring activities cease to be or do not become significant drinking water threats.</p>	<p><u>Existing &amp; Future:</u> <u>Initiate within</u> 2 years (T-16)</p>	N/A	<del>MON-1</del> MON-4

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
<b>WST-1</b>	Storage of Hazardous or Liquid Industrial Waste at Disposal Sites	MOE	C	<p><b>Prescribed Instrument</b></p> <p><del>1) Waste disposal sites shall be prohibited where the activity would be a significant drinking water threat, where waste disposal sites include:</del></p> <p><del>a) Storage of hazardous or liquid industrial waste at disposal sites in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (future); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA-C (VS=8) (future); or</del></li> <li><del>• WHPA-E (VS ≥ 9) (future).</del></li> </ul> <p><del>b) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (future); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA-C (VS=8) (future); or</del></li> <li><del>• WHPA-E (VS=10) (future).</del></li> </ul>	See Maps 1.1–1.21	Future: Immediately (T-3)	WST-2	MON-4
	Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste			<p><del>2) Where a waste disposal site is in an area where the activity is a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed to ensure appropriate terms and conditions are included so that the activity ceases to be a significant drinking water threat, where waste disposal sites include:</del></p> <p><del>a) Storage of hazardous or liquid industrial waste at disposal sites in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (existing); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (existing); or</del></li> <li><del>• WHPA-C (VS=8) (existing); or</del></li> <li><del>• WHPA-E (VS ≥ 9) (existing).</del></li> </ul> <p><del>b) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (existing); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (existing); or</del></li> <li><del>• WHPA-C (VS=8) (existing); or</del></li> <li><del>• WHPA-E (VS ≥ 10) (existing).</del></li> </ul>		Existing: 3 years (T-1)	GEN-5	MON-4



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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
<del>WST-2</del>	<del>Storage of Hazardous or Liquid Industrial Waste at Disposal Sites</del> <del>Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste</del>	<del>Planning Approval Authority</del>	<del>A</del>	<del><b>Land Use Planning</b></del> <del>Waste disposal sites shall be prohibited where the activity would be a significant drinking water threat, where waste disposal sites include:</del> <del>a) Storage of hazardous or liquid industrial waste at disposal sites in any of the following areas:</del> <ul style="list-style-type: none"> <li><del>• WHPA A (future); or</del></li> <li><del>• WHPA B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA C (VS=8) (future); or</del></li> <li><del>• WHPA E (VS ≥ 9) (future).</del></li> </ul> <del>b) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste in any of the following areas:</del> <ul style="list-style-type: none"> <li><del>• WHPA A (future); or</del></li> <li><del>• WHPA B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA C (VS=8) (future); or</del></li> <li><del>• WHPA E (VS=10) (future).</del></li> </ul>	<del>See Maps 1.1 - 1.21</del>	<del>Future: Immediately (T-9)</del> <del>Amend OPs and ZBLs for conformity within 5 years (T-8)</del>	<del>WST-1</del>	<del>MON-1</del>

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
<b>WST-1</b> SPC to discuss	Storage of Hazardous or Liquid Industrial Waste at Generator (not covered by small quantity exemption)	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where an approval under the <i>Environmental Protection Act</i> is not required for the establishment, operation or maintenance of a site to store hazardous liquid industrial waste where it is, or would be, a significant drinking water threat the following actions shall be taken:</p> <p>1) The storage of hazardous or liquid industrial waste is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS ≥ 8) (future); or</li> <li>• WHPA-C (VS=8) (future); or</li> <li>• WHPA-E (VS ≥ 9) (future).</li> </ul>	See Maps 1.1 – 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The storage of hazardous or liquid industrial waste is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS ≥ 8) (existing); or</li> <li>• WHPA-C (VS=8) (existing); or</li> <li>• WHPA-E (VS ≥ 9) (existing).</li> </ul>		Existing: 1 year/ 5 years (T-6)	GEN-1 GEN-2	MON-2
<b>WST-2</b> SPC to discuss	Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste	Municipality MOECC	E K	<p><b>Education and Outreach</b></p> <p>The municipality shall deliver education and outreach materials and programs where the storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste is, or would be, a significant drinking water threat targeted towards ensuring that facilities that generate small quantities of waste manage the storage of these wastes so that they cease to be, or do not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS ≥ 8) (existing, future); or</li> <li>• WHPA-C (VS=8) (existing, future); or</li> <li>• WHPA-E (VS ≥ 10) (existing, future).</li> </ul> <p>Where appropriate education and outreach materials prepared by the Ministry of the Environment and Climate Change are available, the municipality shall deliver those materials.</p>	See Maps 1.1 – 1.21	Existing & Future: 2 years (T-10)	GEN-8	MON-1 MON-4

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
WST-3	Application of Untreated Septage to Land	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>1) The application of untreated septage to land shall be prohibited where the activity would be a significant drinking water threat in the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (<del>existing</del>, future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS ≥ 8) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p><del>Existing:</del>  <u>Upon expiry or within 5 years (T-2)</u></p>	N/A	MON-4
				<p>2) The application of untreated septage to land (<del>existing</del>) may continue only until the expiry of the current approval, after which time it shall be considered a future activity. <u>in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• <u>WHPA-B (VS=10) (existing); or</u></li> <li>• <u>WHPA-E (VS ≥ 8) (existing); or</u></li> <li>• <u>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing).</u></li> </ul>		<p>Existing: Upon expiry or within 5 years (T-2)</p>	<p><del>N/A</del>  <u>GEN-5</u></p>	MON-4

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
WST-4	Storage, Treatment, and Discharge of Tailings from Mines	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>1) Waste disposal sites (<u>future</u>) shall be prohibited where the storage, generation or management of waste would be a significant drinking water threat, where these activities include:</p> <p>a) Storage, treatment, and discharge of tailings from mines;</p> <p><del>b) landfarming of petroleum refining waste; and</del></p> <p><del>c) landfilling (hazardous waste); in any of the following areas: WHPA-A (future); or WHPA-B (VS=10)(future); or WHPA-E (VS ≥ 9) (future);</del></p> <p><del>db) Landfilling (municipal waste); and</del></p> <p><del>e) landfilling (solid non-hazardous industrial or commercial); in any of the following areas: WHPA-A (future); or WHPA-B (VS ≥ 8) (future); or WHPA-C (VS=8) (future); or WHPA-E (VS ≥ 9) (future);</del></p> <p><del>fe) Liquid industrial waste injection into a well; in any of the following areas: WHPA-A (future); or WHPA-B (VS ≥ 8) (future); or WHPA-C (VS=8) (future);</del></p> <p><del>g) the storage of hazardous or liquid industrial waste (large facilities such as landfills and transfer stations);</del></p> <p><del>h) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste (large facilities such as landfills and transfer stations).</del></p>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	WST-5	MON-4
	<p>Landfarming of Petroleum Refining Waste</p> <p>Landfilling (Hazardous Waste)</p> <p>Landfilling (Municipal Waste)</p> <p>Landfilling (Solid Non Hazardous Industrial or Commercial)</p> <p>Liquid Industrial Waste Injection into a Well</p> <p><u>Storage of Hazardous or Liquid Industrial Waste (at large facilities such as landfills and transfer stations)</u></p> <p><u>Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the</u></p>							

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	<p><u>definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste (at large facilities such as landfills and transfer stations)</u></p>			<p><del>WHPA-A (existing); or WHPA-B (VS ≥ 8), (existing); or WHPA-C (VS=8) (existing); or WHPA-E (VS ≥ 9) (existing).</del>  <u>f) Liquid industrial waste injection into a well; in any of the following areas: WHPA-A (existing); or WHPA-B (VS ≥ 8) (existing); or WHPA-C (VS=8) (existing).</u>  <u>g) the storage of hazardous or liquid industrial waste (at large facilities such as landfills and transfer stations); h) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste (at large facilities such as landfills and transfer stations).</u></p>				

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
WST-5	<p>Storage, Treatment, and Discharge of Tailings from Mines</p> <p>Landfarming of Petroleum Refining Waste</p> <p>Landfilling (Hazardous Waste)</p> <p>Landfilling (Municipal Waste)</p> <p>Landfilling (Solid Non-Hazardous Industrial or Commercial)</p> <p>Liquid Industrial Waste Injection into a Well</p> <p><u>Storage of Hazardous or Liquid Industrial Waste (at large facilities such as landfills and transfer stations)</u></p> <p><u>Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste (at large facilities such as landfills and transfer stations)</u></p>	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p><u>The use of land for waste disposal (future) sites shall be prohibited where the storage or generation of waste would be a significant drinking water threat, where these activities include at the following types of waste disposal sites:</u></p> <p>a) Storage, treatment, and discharge of tailings from mines;                      b) landfarming of petroleum refining waste; <del>and</del>                      c) landfilling (hazardous waste); <del>in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (future); or</del></li> <li><del>• WHPA-B (VS=10) (future); or</del></li> <li><del>• WHPA-E (VS ≥ 9) (future).</del></li> </ul> <p><del>db) Landfilling (municipal waste); and</del>                      e) landfilling (solid non-hazardous industrial or commercial); <del>in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (future); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA-C (VS=8) (future); or</del></li> <li><del>• WHPA-E (VS ≥ 9) (future).</del></li> </ul> <p><del>fe) Liquid industrial waste injection into a well; in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (future); or</del></li> <li><del>• WHPA-B (VS ≥ 8) (future); or</del></li> <li><del>• WHPA-C (VS=8) (future).</del></li> </ul> <p><u>g) the storage of hazardous or liquid industrial waste (at large facilities such as landfills and transfer stations);</u>  <u>h) Storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste, or in clause (d) of the definition of liquid industrial waste (at large facilities such as landfills and transfer stations).</u></p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-9)</p> <p>Amend OPs <del>and ZBLs</del> for conformity within 5 years <del>and ZBLs within 3 years of OP approval</del> (T-8)</p>	WST-4	MON-1

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
WST-6	PCB Waste Storage	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where an approval under the <i>Environmental Protection Act</i> is not required, the establishment, operation or maintenance of a waste disposal site, including for the storage of PCB waste where it is, or would be, a significant drinking water threat, will require the following actions to be taken:</p> <p>1) The storage of PCB waste is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	N/A GEN-1	MON-2
			H	<p>2) The storage of PCB waste <del>(existing)</del> is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS=10) (existing).</li> </ul>		Existing: 1 year/5 years (T-6)	GEN-1 N/A	MON-2
WST-7	PCB Waste Storage (temporary waste destruction units)	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>Where a temporary waste destruction unit for PCBs is required in an area where the storage of PCB waste is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)  Existing: 3 years (T-1)	GEN-3	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-1	Septic Systems Governed under the <i>Building Code Act</i>	Municipality	E	<p><b>Specify Action</b></p> <p>A prioritized maintenance inspection program for septic systems governed under the <i>Building Code Act</i>, in locations where the threat is, or would be, significant, shall be implemented by the municipality or Principal Authority under the Ontario Building Code no later than January 2017. Inspection efforts should be prioritized based on systems that pose the greatest risk to sources of drinking water, such as the oldest systems or those in any of the areas of highest vulnerability:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>	See Maps 1.1 - 1.21	January 2017 (T-13)	N/A	MON-1
SWG-2	Septic Systems Governed under the <i>Building Code Act</i>	MOECC <u>Municipality</u>	K <u>E</u>	<p><b>Education and Outreach</b></p> <p>The Ministry of the Environment <u>and Climate Change</u> should develop and produce education and outreach materials <u>which shall be delivered for delivery</u> by local municipalities to landowners with septic systems governed under the <i>Building Code Act</i> within significant threat areas that explains the rationale for the maintenance inspection program and the benefits of regular maintenance and properly functioning septic systems where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (<u>existing, future</u>); or</li> <li>• WHPA-B (VS=10) (<u>existing, future</u>); or</li> <li>• WHPA-E (VS=10) (<u>existing, future</u>); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (<u>existing, future</u>).</li> </ul>	See Map 1.1 - 1.21	<u>Existing &amp; Future: Implement within 2 years (T-10)</u>	GEN- <u>86</u>	MON-4 <u>MON-1</u>



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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-3	Septic Systems Governed under the <i>Building Code Act</i>	Municipality Planning Approval Authority	E	<p><del>Specify Action</del> <b>Land Use Planning</b></p> <p>Where septic systems governed under the <i>Building Code Act</i> (vacant existing lot of record) would be a significant drinking water threat, <u>vacant lots of record shall be subject to site plan control so that the location of the individual on-site sewage systems and replacement beds only be permitted if they are sited to ensure they do not become a significant drinking water threat</u> <del>septic systems shall only be permitted if the municipality is satisfied that the activity does not become a significant drinking water threat. The hydrogeological assessment to determine appropriate development density shall be conducted by a professional licensed to carry out that work for existing lots of record</del> in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Immediately (T-17) Future: Immediately (T-9)</p> <p>Amend OPs for conformity within 5 years and ZBLs within 3 years of OP approval (T-8)</p>	N/A	MON-1
SWG-4	Septic Systems Governed under the <i>Building Code Act</i>	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p>1) No new lots requiring septic systems governed under the <i>Building Code Act</i> shall be created where the activity would be a significant drinking water threat in the following area:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future).</li> </ul> <p>2) New lots requiring septic systems governed under the <i>Building Code Act</i> in an area where the activity would be a significant drinking water threat shall only be permitted if the municipality is satisfied that the activity will not become a significant drinking water threat. The hydrogeological assessment to determine appropriate development density shall be conducted by a professional licensed to carry out that work in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <u>Sodium or Chloride</u> (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-9)</p> <p>Amend OPs and ZBLs for conformity within 5 years and ZBLs within 3 years of OP approval (T-8)</p>	N/A	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-5	Septic Systems Governed under the <i>Building Code Act</i>	MMAH	K	<p><b>Specify Action</b></p> <p>The Ministry of Municipal Affairs and Housing is requested to amend the <i>Building Code Act</i> to permit municipalities to require higher standards for septic systems governed under the <i>Building Code Act</i> to deal with nitrate and pathogen threats where they would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-187)	N/A	MON-4
SWG-6	Septic Systems Governed under the <i>Building Code Act</i> and <i>Ontario Water Resources Act</i>	Municipality	E	<p><b>Specify Action</b></p> <p>Where municipal sanitary sewers and capacity are available, the municipality is encouraged to pass by-laws <u>under the <i>Municipal Act</i></u> to require mandatory connections to the municipal sewer system for new development and existing septic systems governed under the <i>Building Code Act</i> and the <i>Ontario Water Resources Act</i>, and the decommissioning of existing systems, where they are a significant drinking water threat located in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (<u>existing, future</u>); or</li> <li>• WHPA-B (VS=10) (<u>existing, future</u>); or</li> <li>• WHPA-E (VS=10) (<u>existing, future</u>); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <u>Sodium or Chloride (existing, future)</u></li> </ul>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Consider within 2 years (T-15)</u>	N/A	MON-1
SWG-7	Septic Systems Governed under the <i>Building Code Act</i> and <i>Ontario Water Resources Act</i>	Municipality <u>SPA</u>	E <u>E</u>	<p><b>Specify Action</b></p> <p>The municipality in cooperation with local health units and Source Protection Authorities shall provide education and outreach materials for septic systems governed under the <i>Building Code Act</i> and the <i>Ontario Water Resources Act</i> (existing) to landowners in the entire Issue Contributing Area for Sodium or Chloride regarding:</p> <p>a) the use of more efficient water softeners to reduce the discharge of salt to the septic system; and b) promoting best management practices to ensure outdoor taps are not connected to the softened water line.</p>	See Maps 1.2 1.3 1.11 1.14	Existing: <u>Implement within 2 years (T-10)</u>	GEN-86	MON-1 <u>MON-3</u>

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-8	Septic Systems Regulated under the <i>Ontario Water Resources Act</i>	MOECC	C	<b>Prescribed Instrument</b> 1) Septic systems with subsurface disposal of effluent, as regulated by the <i>Ontario Water Resources Act</i> , shall be prohibited where the activity would be a significant drinking water threat in the following area: <ul style="list-style-type: none"> <li>• WHPA-A (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	SWG-9	MON-4
				2) Where septic systems with subsurface disposal of effluent, as regulated by the <i>Ontario Water Resources Act</i> , are in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas: <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <u>Sodium or Chloride</u> (existing, future).</li> </ul>		Future: Immediately (T-3) Existing: 3 years (T-1)	GEN-35 SWG-9	MON-4
SWG-9	Septic Systems Regulated under the <i>Ontario Water Resources Act</i>	Planning Approval Authority	A	<b>Land Use Planning</b> 1) New development dependent on septic systems with subsurface disposal of effluent, as regulated by the <i>Ontario Water Resources Act</i> , shall be prohibited where the activity would be a significant drinking water threat in the following area: <ul style="list-style-type: none"> <li>• WHPA-A (future).</li> </ul> 2) New development dependent on septic systems with subsurface disposal of effluent, as regulated by the <i>Ontario Water Resources Act</i> , in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process that the location for the septic system is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas: <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <u>Sodium or Chloride</u> (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-9)  Amend OPs and ZBLs for conformity within 5 years and ZBLs within 3 years of OP approval (T-8)	SWG-8	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-10	Septic Systems Regulated under the <i>Ontario Water Resources Act</i>	MOECC	K	<p><b>Specify Action</b></p> <p>The Ministry of the Environment <u>and Climate Change</u> is requested to develop guidelines for managing significant drinking water threats from septic systems with subsurface disposal of effluent, as regulated by the <i>Ontario Water Resources Act</i>, for distribution to developers, municipalities and other interested or affected parties in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates, Pathogens, Sodium or Chloride (existing, future).</li> </ul>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Consider within 2 years (T-15)</u>	<u>N/A GEN-8</u>	MON-4

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-11	Discharge from a Stormwater Retention Pond	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>1) Discharge, including infiltration, from a stormwater retention pond shall be prohibited into an area where the discharge would be a significant drinking water threat in the following area:</p> <ul style="list-style-type: none"> <li>WHPA-A (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	SWG-12	MON-4
				<p>2) Where the discharge from a stormwater retention pond is in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in the following areas:</p> <ul style="list-style-type: none"> <li>WHPA-A (existing); or</li> <li>WHPA-B (VS=10) (existing, future); or</li> <li>WHPA-E (VS ≥ 8) (existing, future); or</li> <li>the remainder of an Issue Contributing Area for Nitrates, Pathogens, <del>Sodium</del> or Chloride (existing, future).</li> </ul> <p>Not limiting any other conditions to be included in the Environmental Compliance Approval, the Issuing Director should include the following conditions, where possible:</p> <ul style="list-style-type: none"> <li>no <del>untreated</del> stormwater is discharged from the pond into a WHPA-E where it would be classified as a significant drinking water threat;</li> <li>existing infiltration ponds are lined to prevent infiltration of contaminants; and</li> <li>in an Issue Contributing Area for Sodium or Chloride, require actions to reduce sodium and chloride loading into the pond from upstream lands where the application of road salt occurs.</li> </ul>		Future: Immediately (T-3) Existing: 3 years (T-1)	GEN-35 SWG-12	MON-4
SWG-12	Discharge from a Stormwater Retention Pond	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p>1) The use of land for the establishment of new stormwater retention ponds shall be prohibited where the discharge (including infiltration) of stormwater would be into a significant threat area in the following area:</p> <ul style="list-style-type: none"> <li>WHPA-A (future).</li> </ul> <p>2) The use of land for the discharge from a stormwater retention pond in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process that the location of discharge from a stormwater retention pond is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas:</p> <ul style="list-style-type: none"> <li>WHPA-B (VS=10) (future); or</li> <li>WHPA-E (VS ≥ 8) (future); or</li> <li>the remainder of an Issue Contributing Area for Nitrates, Pathogens, <del>Sodium</del> or Chloride (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-9)	SWG-11	MON-1

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-13	Sanitary Sewers and Related Pipes	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>Where sanitary sewers and related pipes are in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul> <p>Not limiting any other conditions to be included in the Environmental Compliance Approval, the Issuing Director should include the following conditions, where possible:</p> <ul style="list-style-type: none"> <li>• requiring higher construction standards; and</li> <li>• inspections by the owner for leaks.</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p>Existing: 3 years (T-1)</p>	GEN-35 SWG-14	MON-4
SWG-14	Sanitary Sewers and Related Pipes	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p>New development dependent on sanitary sewers and related pipes, in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process, that the location for the sanitary sewer and related pipes is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-9)</p> <p>Amend OPs <del>and ZBLs</del> for conformity within 5 years <del>and ZBLs within 3 years of OP approval</del> (T-8)</p>	SWG-13	MON-1

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Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-15	Storage of Sewage	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>1) The storage of sewage shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-E (VS ≥ 9) (future); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	SWG-16	MON-4
				<p>2) Where facilities for the storage of sewage are in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS ≥ 8) (existing, future); or</li> <li>• WHPA-C (VS=8) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		Future: Immediately (T-3) Existing: 3 years (T-1)	GEN-35 SWG-16	MON-4
SWG-16	Storage of Sewage	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p>1) The use of land for the establishment of facilities for the storage of sewage shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-E (VS ≥ 9) (future); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-9)	SWG-15	MON-1
				<p>2) The use of land for the establishment of facilities for the storage of sewage, in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process that the location for the storage of sewage is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS ≥ 8) (future); or</li> <li>• WHPA-C (VS=8) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>		Amend OPs and ZBLs for conformity within 5 years and ZBLs within 3 years of OP approval (T-8)		

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SWG-17	Combined Sewer Discharge from a Stormwater Outlet to Surface Water	MOE	C	<p><b>Prescribed Instrument</b></p> <p>1) Future sewage works shall be prohibited where the establishment, operation and maintenance of sewage works would be a significant drinking water threat, where the sewage works discharge is to surface water from:</p> <p>a) Combined sewer discharge from a stormwater outlet to surface water;</p> <p><del>b) Industrial effluent discharges;</del></p> <p><del>e)b) Sewage treatment bypass discharge to surface water; and</del></p> <p><del>d)c) Sewage treatment plant effluent discharge (includes lagoons); in any of the following areas:</del></p> <ul style="list-style-type: none"> <li>• WHPA-E (VS ≥ 8) (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, <u>or</u> Pathogens, <del>Sodium or Chloride</del> (future); and</li> </ul> <p>where the discharge is to land, also in:</p> <ul style="list-style-type: none"> <li>• the remainder of an Issue Contributing Area for Nitrates, <u>or</u> Pathogens, <del>Sodium or Chloride</del> (future).</li> </ul> <p><u>d) Industrial effluent discharges, in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• <u>WHPA-E (VS ≥ 8) (future); or</u></li> <li>• <u>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, Pathogens or Chloride (future); and</u></li> </ul> <p><u>where the discharge is to land, also in:</u></p> <ul style="list-style-type: none"> <li>• <u>the remainder of an Issue Contributing Area for Nitrates, Pathogens or Chloride (future).</u></li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	SWG-18	MON-4
	Sewage Treatment Bypass Discharge to Surface Water			<p>2) Where sewage works are in an area where the activity is a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed to ensure appropriate terms and conditions are included so that the activity ceases to be a significant drinking water threat, where the sewage works discharge is to surface water from:</p> <p>a) Combined sewer discharge from a stormwater outlet to surface water;</p> <p><del>b) Industrial effluent discharges;</del></p> <p><del>e)b) Sewage treatment bypass discharge to surface water; and</del></p> <p><del>d)c) Sewage treatment plant effluent discharges (includes lagoons); in any of the following areas:</del></p> <ul style="list-style-type: none"> <li>• WHPA-E (VS ≥ 8) (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, <u>or</u> Pathogens, <del>Sodium or Chloride</del> (existing); and</li> </ul> <p>where the discharge is to land, also in:</p> <ul style="list-style-type: none"> <li>• the remainder of an Issue Contributing Area for Nitrates, <u>or</u> Pathogens, <del>Sodium or Chloride</del> (existing).</li> </ul> <p><u>d) Industrial effluent discharges, in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• <u>WHPA-E (VS ≥ 8) (existing); or</u></li> <li>• <u>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, Pathogens or Chloride (existing); and</u></li> </ul> <p><u>where the discharge is to land, also in:</u></p> <ul style="list-style-type: none"> <li>• <u>the remainder of an Issue Contributing Area for Nitrates, Pathogens or Chloride (existing).</u></li> </ul>		Existing: 3 years (T-1)	GEN- <del>35</del>	MON-4
	Sewage Treatment Plant Effluent Discharges (Includes Lagoons)							
	Industrial Effluent Discharges							



**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Polices	Monitoring Policy
SWG-18	<p>Combined Sewer Discharge from a Stormwater Outlet to Surface Water</p> <p>Industrial Effluent Discharges</p> <p>Sewage Treatment Bypass Discharge to Surface Water</p> <p>Sewage Treatment Plant Effluent Discharges (Includes Lagoons)</p>	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p><del>The use of land for the Development dependent on the</del> establishment of sewage works, <del>or any use of land for any purpose that would be dependent on these sewage works,</del> shall be prohibited where <del>sewage works the activity</del> would be a significant drinking water threat where the sewage works discharge is to surface water from:</p> <p>a) Combined sewer discharge from a stormwater outlet to surface water; <del>Industrial effluent discharges;</del></p> <p>b) Sewage treatment bypass discharge to surface water; and</p> <p>c) Sewage treatment plant effluent discharges (includes lagoons); in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-E (VS ≥ 8) (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <del>Sodium or Chloride</del> (future); and</li> </ul> <p>where the discharge is to land, also in:</p> <ul style="list-style-type: none"> <li>• the remainder of an Issue Contributing Area for Nitrates, <del>or</del> Pathogens, <del>Sodium or Chloride</del> (future).</li> </ul> <p><del>d) Industrial effluent discharges, in any of the following areas:</del></p> <ul style="list-style-type: none"> <li>• <del>WHPA-E (VS ≥ 8) (future); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates, Pathogens or Chloride (future); and</del></li> </ul> <p><del>where the discharge is to land, also in:</del></p> <ul style="list-style-type: none"> <li>• <del>the remainder of an Issue Contributing Area for Nitrates, Pathogens or Chloride (future).</del></li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-9)</p> <p>Amend OPs <del>and ZBLs</del> for conformity within 5 years <del>and ZBLs within 3 years of OP approval</del> (T-8)</p>	SWG-17	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Polices	Monitoring Policy
SWG-19	Combined Sewer Discharge from a Stormwater Outlet to Surface Water			<p><b>Research</b></p> <p>The Town of Orangeville shall undertake research to determine the extent to which the sodium and chloride loading from the Town’s Water Pollution Control Plant (WPCP) outfall into WHPA-E for Well 10 influences the rising sodium and chloride levels measured at this well and report back to the Credit Valley Source Protection Authority (CVSPA) within 2 years from the date the Source Protection Plan takes effect.</p>				
	Sewage Treatment Bypass Discharge to Surface Water	Town of Orangeville	E	<p>The CVSPA in partnership with the Town of Orangeville shall provide the report along with recommendations to the CTC Source Protection Committee to determine whether to make a formal request to the Director pursuant to section 119 of the Technical Rules: Assessment Report under the <i>Clean Water Act, 2006</i> dated November 2009 to add this WPCP outfall as a Local Threat. If the WPCP outfall is added as a Local Threat then policies SWG-17 and SWG-18 shall apply.</p>	See Map 1.3	See Policy	SWG-17 SWG-18	MON-1
	Sewage Treatment Plant Effluent Discharges (Includes Lagoons)	CVSPA	E					MON-3

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
ASM-1	Application of Agricultural Source Material (ASM) to Land	OMAFRA	C	<p><b>Prescribed Instrument</b></p> <p>1) The application of ASM to land shall be prohibited where the activity is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for <del>Nitrates or</del> Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p>Existing: Upon expiry or within 5 years (T-2)</p>	N/A	MON-4
				<p>2) Where the application of ASM to land is in an area where the activity is, or would be, a significant drinking water threat, the Nutrient Management Plan or Strategy that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat. <u>In addition to any other risk management measures required through the Prescribed Instrument, the Prescribed Instrument shall as a minimum ensure: in any of the following areas:</u></p> <p><u>a) the application of ASM is not applied during restricted periods, or any other time when the soil is snow covered or frozen consistent with the limitations of subsection 52.2 – 52.4 of Ontario Regulation 267/03 under the Nutrient Management Act, 2002 to avoid runoff; and</u></p> <p><u>b) soil testing is required for plant available nitrogen each year prior to application of ASM to determine appropriate application rates, in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <u>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates (existing, future); or</u></li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for <del>Nitrates or</del> Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		<p>Future: Immediately (T-3)</p> <p>Existing: 3 years (T-1)</p>	GEN- <del>35</del> ASM-5	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
ASM-2	Application of Agricultural Source Material (ASM) to Land	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>For farms that do not require a Nutrient Management Plan or Strategy, where the application of ASM is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The application of ASM is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for <del>Nitrates or</del> Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-5)</p> <p>Existing: 180 days (T-4)</p>	GEN-1	MON-2
			H	<p>2) The application of ASM is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be significant. <u>In addition to any other risk management measures required through the risk management plan, the risk management plan shall as a minimum ensure: in any of the following areas:</u></p> <p><u>a) the application of ASM is not applied during restricted periods, or any other time when the soil is snow covered or frozen consistent with the limitations of subsection 52.2 – 52.4 of Ontario Regulation 267/03 under the <i>Nutrient Management Act, 2002</i> to avoid runoff; and</u></p> <p><u>b) soil testing is required for plant available nitrogen each year prior to application of ASM to determine appropriate application rates, in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• <u>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</u></li> <li>• <u>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates (existing, future); or</u></li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for <del>Nitrates or</del> Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>	<p>GEN-1</p> <p><del>GEN-2</del></p> <p><del>ASM-6</del></p>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
ASM-3	Storage of Agricultural Source Material (ASM)	OMAFRA	C	<p><b>Prescribed Instrument</b></p> <p>1) The storage of ASM shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	N/A	MON-4
				<p>2) Where the storage of ASM is in an area where the activity is, or would be, a significant drinking water threat, the Nutrient Management Plan or Strategy that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		Future: Immediately (T-3) Existing: 3 years (T-1)	GEN-35 ASM-5	MON-4
ASM-4	Storage of Agricultural Source Material (ASM)	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>For farms that do not require a Nutrient Management Plan or Strategy, where the storage of ASM would be a significant drinking water threat, the following actions shall be taken:</p> <p>1) The storage of ASM is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
				<p>2) The storage of ASM is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		Future: Immediately (T-7) Existing: 1 year/5 years (T-6)	GEN-1 GEN-2 ASM-6	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
ASM-5	Application of Agricultural Source Material (ASM) to Land  Storage of Agricultural Source Material (ASM)	MOE	K	<p><b>Specify Action</b></p> <p>For farms that require a Nutrient Management Plan or Strategy, the Ministry of the Environment shall prioritize and conduct regular inspections of these farms where the application and storage of ASM is, or would be, a significant drinking water threat for:</p> <p>a) the application of ASM to land in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</del></li> </ul> <p>b) The storage of ASM in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A (existing); or</del></li> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</del></li> </ul>	See Maps 1.1–1.21	GEN-5	ASM-1 ASM-3	MON-4
ASM-6	Application of Agricultural Source Material (ASM) to Land  Storage of Agricultural Source Material (ASM)	Municipality	E	<p><b>Specify Action</b></p> <p>For farms and other lands that do not require a Nutrient Management Plan or Strategy, the municipality shall prioritize and conduct regular inspections of these lands where the application and storage of ASM is, or would be, a significant drinking water threat in any of the following areas:</p> <p>a) the application of ASM to land in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</del></li> </ul> <p>b) The storage of ASM in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A (existing); or</del></li> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</del></li> </ul>	See Maps 1.1–1.21	After RMP is approved per policy ASM-2 and ASM-4	ASM-2 ASM-4	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
<u>ASM-5</u>	<u>Management of Agricultural Source Material (ASM) (Aquaculture)</u>	<u>MOECC</u>	<u>C</u>	<p><u>Prescribed Instrument</u></p> <p><u>The management of ASM (aquaculture) shall be prohibited where the activity is, or would be, a significant drinking water threat in the following areas:</u></p> <ul style="list-style-type: none"> <li><u>An Issue Contributing Area for Pathogens (existing, future).</u></li> </ul>	<u>See Map 1.9</u>	<p><u>Future: Immediately (T-3)</u></p> <p><u>Existing: Upon expiry or within 5 years (T-2)</u></p>	<u>N/A</u>	<u>MON-4</u>

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
NASM-1	Application of Non-Agricultural Source Material (NASM) to Land (Category 1)	RMO <del>OMAFRA</del>  MOE	G E	<p><b>Part IV, s.57, s.58 Prescribed Instrument</b></p> <p><u>Where the application of NASM (Category 1) to land is, or would be, a significant drinking water threat, the following actions shall be taken:</u></p> <p>1) The application of NASM (Category 1) to land <u>is designated for the purpose of s.57 under the Clean Water Act, and is therefore prohibited where the threat is, or would be, significant</u> <del>shall be prohibited where the activity is, or would be, a significant drinking water threat</del> in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Pathogens (future).</del></li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T- <del>53</del> )  Existing: <u>180 days (T-4)</u> <del>Upon expiry or within 5 years (T-2)</del>	<del>GEN-1 N/A</del>	MON- <del>24</del>
			H	<p>2) <del>Where t</del><u>he application of NASM (Category 1) to land is designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, where the threat is significant is in an area where the activity is, or would be, a significant drinking water threat, the NASM Plan that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat</u> in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates <del>or Pathogens</del> (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates <del>or Pathogens</del> (existing, future); or</li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Pathogens (existing); or</del></li> <li>• the remainder of an Issue Contributing Area for Nitrates <del>or Pathogens</del> (existing, future).</li> </ul>		Future: Immediately (T- <del>73</del> )  Existing: <u>1 year/5 years (T-6)</u> <del>3 years (T-1)</del>	<del>GEN-1 GEN-25 NASM-5</del>	MON- <del>24</del>



**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
NASM-2	Handling and Storage of Non-Agricultural Source Material (NASM) (Category 1)	RMO OMAFRA MOE	GE	<p><del>Part IV, s.57, s.58 Prescribed Instrument</del></p> <p><del>Where the handling and storage of NASM (Category 1) is, or would be, a significant drinking water threat, the following actions shall be taken:</del></p> <p>1) The handling and storage of NASM (Category 1) <u>is designated for the purpose of s.57 under the Clean Water Act, and is therefore prohibited where the threat would be significant</u> shall be prohibited where the activity would be a significant drinking water threat in the following area:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-53)	GEN-1 N/A	MON-24
			H	<p>2) <del>Where t</del>he handling and storage of NASM (Category 1) <u>is designated for the purpose of s.58 under the Clean Water Act, requiring risk management plans, where the threat is significant is in an area where the activity is, or would be, a significant drinking water threat, the NASM Plan that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat</u> in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates <del>or Pathogens</del> (existing, future).</li> </ul>		Future: Immediately (T-73) Existing: <u>1 year/5 years (T-6)</u> <del>3 years (T-1)</del>	GEN-1 GEN-25 NASM-5	MON-24

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
NASM-3	Application of Non-Agricultural Source Material (NASM) to Land <a href="#">(Category 2 and 3) including treated septage</a>	OMAFRA MOECC	C	<p><b>Prescribed Instrument</b></p> <p>1) The application of NASM (Category 2 and 3) to land shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS ≥ 8) (future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	N/A	MON-4
				<p>2) The application of NASM to land (existing) may continue only until the expiry of the current approval, after which time it would be considered as a future activity.</p>		Existing: Upon expiry or within 5 years (T-2)	N/A	MON-4
NASM-4	Handling and Storage of Non-Agricultural Source Material (NASM) <a href="#">(Category 2 and 3) including treated septage</a>	OMAFRA MOECC	C	<p><b>Prescribed Instrument</b></p> <p>The handling and storage of NASM (Category 2 and 3) shall be prohibited where the activity is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p>Existing: Upon expiry or within 5 years (T-2)</p>	N/A	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
NASM-5	Application of NASM to Land	OMAFRA	K	<p><b>Education and Outreach</b></p> <p>The Ministry of the Environment <u>and Climate Change</u> and OMAFRA are requested to provide to landowners and haulers that have a <u>Prescribed Instrument or Risk Management Plan</u> <del>NASM Plan or Environmental Compliance Approval</del> to haul, store or apply NASM, <del>(Category 1)</del>, information on the importance of protecting source water and the location of the nearby municipal wells where the application, handling and storage of NASM is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A <u>(existing, future)</u>; or</li> <li>• WHPA-B (VS=10) <u>(existing, future)</u>; or</li> <li>• WHPA-E (VS ≥ 8 for application; VS ≥ 9 for handling and storage) <u>(existing, future)</u>; or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens <u>(existing, future)</u>.</li> </ul>	See Maps 1.1 - 1.21	Existing & Future: Consider within 2 years (T-15)	GEN-86 <del>NASM-1</del> <del>NASM-2</del>	MON-4
	Handling and Storage of NASM	MOECC						

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
LIV-1	The Use of Land as Livestock Grazing or Pasturing Land (O. Reg. 385/08, s.3)	RMO	G	<p><b>Part IV, s. 57, s.58</b></p> <p>Where the use of land as livestock grazing or pasturing land is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The use of land as livestock grazing or pasturing land (with an animal density &gt;1 Nutrient Unit per acre) is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A in an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-5)</p> <p>Existing: 180 days (T-4)</p>	GEN-1	MON-2
			H	<p>2) The use of land as livestock grazing or pasturing land is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-A in an Issue Contributing Area for Nitrates or Pathogens with an animal density &lt;1 Nutrient Unit per acre (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>	<p>GEN-1</p> <p><del>LIV-5</del></p> <p>GEN-2</p>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
LIV-2	The Use of Land as an Outdoor Confinement Area or a Farm-Animal Yard (P. Reg. 385/08, s.3)	OMAFRA	C	<p><b>Prescribed Instrument</b></p> <p>1) The use of land as an outdoor confinement area or farm-animal yard shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-3)	N/A	MON-4
				<p>2) Where the use of land as an outdoor confinement area or farm-animal yard is in an area where the activity is, or would be, a significant drinking water threat, the Nutrient Management Plan or Strategy that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		Future: Immediately (T-3) Existing: 3 years (T-1)	GEN- <del>35</del> LIV-4	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
LIV-3	The Use of Land as an Outdoor Confinement Area or a Farm-Animal Yard (O. Reg. 385/08, s.3)	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>For lands that do not require a Nutrient Management Plan or Strategy, where the use of land as an outdoor confinement area or farm-animal yard is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The use of land for an outdoor confinement area or farm-animal yard is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where it would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (future); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The use of land as an outdoor confinement area or farm animal yard is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>		Future: Immediately (T-7)  Existing: 1 year/5 years (T-6)	GEN-1 <del>LIV-5</del> GEN-2	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
LIV-4	The Use of Land as an Outdoor Confinement Area or a Farm Animal Yard (O. Reg. 385/08, s.3)	MOE	K	<p><b>Specify Action</b></p> <p>For farms that require a Nutrient Management Plan or Strategy, the Ministry of the Environment shall prioritize and conduct regular inspections of these farms where the use of land as an outdoor confinement area or a farm animal yard is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A (existing); or</del></li> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>	See Maps 1.1–1.21	GEN-5	LIV-2	MON-4
LIV-5	The use of Land as Livestock Grazing or Pasturing Land (O. Reg. 385/08, s.3)  The use of Land as an Outdoor Confinement Area or a Farm Animal Yard (O. Reg. 385/08, s.3)	Municipality	E	<p><b>Specify Action</b></p> <p>For farms and other lands that do not require a Nutrient Management Plan or Strategy, the municipality shall prioritize and conduct regular inspections of these farms where the use of land for livestock grazing or pasturing and/or an outdoor confinement area or a farm animal yard is, or would be, a significant drinking water threat for:</p> <p>a) the use of land as livestock grazing or pasturing land in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-A in an Issue Contributing Area for Nitrates or Pathogens with an animal density &lt;1 Nutrient Unit per acre (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) (existing, future); or</del></li> <li>• <del>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</del></li> </ul> <p>b) the use of land as an outdoor confinement area or a farm animal yard in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A (existing); or</del></li> <li>• <del>WHPA-B (VS=10) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-E (VS ≥ 8) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li>• <del>WHPA-B (VS=10) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• <del>WHPA-E (VS ≥ 4.2) in an Issue Contributing Area for Nitrates or Pathogens (existing); or</del></li> <li>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</li> </ul>	See Maps 1.1–1.21	After RMP is approved per policy LIV-1 and LIV-3	LIV-1 LIV-3	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
FER-1	Application of Commercial Fertilizer to Land	OMAFRA	C	<p><b>Prescribed Instrument</b></p> <p>1) The application of commercial fertilizer <u>(containing nitrogen)</u> to land shall be prohibited where the activity is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p>Existing: Upon expiry or within 5 years (T-2)</p>	N/A	MON-4
				<p>2) Where the application of commercial fertilizer <u>(containing nitrogen or phosphorus)</u> to land is in an area where the activity is, or would be, a significant drinking water threat, the Nutrient Management Plan or Strategy that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (existing); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates (existing, future).</li> </ul>		<p>Future: Immediately (T-3)</p> <p>Existing: 3 years (T-1)</p>		
FER-2	Application of Commercial Fertilizer to Land	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>For lands that do not require a Nutrient Management Plan or Strategy, where the application of commercial fertilizer to land is, or would be, a significant drinking water threat (excluding incidental quantities for personal use), the following actions shall be taken:</p> <p>1) The application of commercial fertilizer <del>with (containing N)nitrogen</del> is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-5)</p> <p>Existing: 180 days (T-4)</p>	GEN-1	MON-2
				<p>2) The application of commercial fertilizer <u>(containing nitrogen or phosphorus)</u> to land is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• <del>WHPA-A (existing or future use of fertilizer without Nitrogen); or</del></li> <li>• WHPA-B (VS=10) (existing, <del>or future use of any fertilizer</del>); or</li> <li>• WHPA-E (VS ≥ 9) which is not in an Issue Contributing Area for Nitrates (existing, <del>or future use of any fertilizer</del>); or</li> <li>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (existing <del>use of any fertilizer</del>); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates (existing, <del>or future use of any fertilizer</del>).</li> </ul>		<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>		



**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
FER-3	Handling and Storage of Commercial Fertilizer	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>For farms and other lands, where the handling and storage of commercial fertilizer to land is, or would be, a significant drinking water threat (excluding incidental quantities for personal use), the following actions shall be taken:</p> <p>1) The handling and storage of commercial fertilizer is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in the following area:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of commercial fertilizer to land is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates (existing, future).</li> </ul> <p>Without limiting other requirements, risk management plans shall include conditions to require storage of quantities over 2,500 kg to be within a covered structure.</p>		Future: Immediately (T-7) Existing: 1 year/5 years (T-6)	GEN-1 <del>GEN-2</del> <del>FER-5</del>	MON-2
FER-4	Application of Commercial Fertilizer	MOE	K	<p><b>Specify Action</b></p> <p><del>For farms that require a Nutrient Management Plan or Strategy, the Ministry of the Environment shall prioritize and conduct regular inspections of these farms where the application of commercial fertilizer to land is, or would be, a significant drinking water threat in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-B (VS=10) (existing, future); or</del></li> <li><del>• WHPA-E (VS ≥ 9) which is not in an Issue Contributing Area for Nitrates or Pathogens (existing, future); or</del></li> <li><del>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (existing); or the remainder of an Issue Contributing Area for Nitrates (existing, future).</del></li> </ul>	See Maps 1.1 - 1.21	GEN-5	FER-1	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
<del>FER-5</del>	<del>Application of Commercial Fertilizer Handling and Storage of Commercial Fertilizer</del>	<del>Municipality</del>	<del>E</del>	<p><del><b>Specify Action</b></del>                      For farms and other lands (excluding incidental quantities for personal use) that do not require a Nutrient Management Plan or Strategy, the municipality shall prioritize and conduct regular inspections of these lands where the application, handling and storage of commercial fertilizer is, or would be, a significant drinking water threat, for:</p> <p><del>a) application of commercial fertilizer to land in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (existing or future use of fertilizer without Nitrogen); or</del></li> <li><del>• WHPA-B (VS=10) (existing or future use of any fertilizer); or</del></li> <li><del>• WHPA-E (VS ≥ 9) which is not in an Issue Contributing Area for Nitrates (existing or future use of any fertilizer); or</del></li> <li><del>• WHPA-E (VS ≥ 4.5) in an Issue Contributing Area for Nitrates (existing use of any fertilizer); or</del></li> <li><del>• the remainder of an Issue Contributing Area for Nitrates (existing or future use of any fertilizer).</del></li> </ul> <p><del>b) handling and storage of commercial fertilizer in any of the following areas:</del></p> <ul style="list-style-type: none"> <li><del>• WHPA-A (existing); or</del></li> <li><del>• WHPA-B (VS=10) (existing, future); or</del></li> <li><del>• WHPA-E (VS=10) (existing, future); or</del></li> <li><del>• the remainder of an Issue Contributing Area for Nitrates (existing, future).</del></li> </ul>	<del>See Maps 1.1-1.21</del>	<del>After RMP is approved per policy FER-2 and FER-3</del>	<del>FER-2 FER-3</del>	<del>MON-1</del>
<del>FER-4</del> <del>6</del>	<del>Application of Commercial Fertilizer to Land Handling and Storage of Commercial Fertilizer</del>	<del>Municipality MOECC</del>	<del>E K</del>	<p><b>Education and Outreach</b></p> <p>The municipality shall deliver education and outreach materials and programs where the application, handling and storage of commercial fertilizer is, or would be, a significant drinking water threat, targeted towards:</p> <p>a) an individual for personal use to promote timely fertilizer application and best management practices in urban settings; and</p> <p>b) <u>owners/tenants of non-agriculturally zoned</u> lands to promote best management practices to safeguard water supplies from drinking water threats; in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (<u>existing, future</u>); or</li> <li>• WHPA-B (VS=10) (<u>existing, future</u>); or</li> <li>• WHPA-E (VS ≥ 9 for application; VS=10 for handling and storage) (<u>existing, future</u>); or</li> <li>• the remainder of an Issue Contributing Area for Nitrates (<u>existing, future</u>).</li> </ul> <p>Where education and outreach materials prepared by the Ministry of the Environment <u>and Climate Change</u> are available, the municipality shall deliver those materials.</p>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Implement within 2 years (T-10)</u>	<del>GEN-86</del>	MON-1 MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
PES-1	Application of Pesticide to Land	RMO	H	<p><b>Part IV, s.58</b></p> <p>The application of pesticide to land is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 8.1) (existing, future).</li> </ul> <p>Without limiting other requirements, risk management plans shall incorporate appropriate agri-environmental best management practices and standards to ensure the activity ceases to be, or does not become, a significant drinking water threat.</p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>	GEN-1 <u>GEN-2</u>	MON-2
PES-2	Handling and Storage of Pesticide	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the handling and storage of pesticide is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The handling and storage of pesticide is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in the following area:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• <del>WHPA-B (VS=10) (future); or</del></li> <li>• <del>WHPA-E (VS ≥ 9) (future).</del></li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of pesticide is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing, <u>future</u>); or</li> <li>• WHPA-E (VS ≥ 9) (existing, <u>future</u>).</li> </ul> <p>Without limiting other requirements, risk management plans shall incorporate appropriate agri-environmental best management practices and standards to ensure the activity ceases to be a significant drinking water threat.</p>		<p><u>Future: Immediately (T-7)</u></p> <p>Existing: 1 year/5 years (T-6)</p>	<p><u>GEN-1</u></p> <p><u>GEN-2</u></p> <p><del>N/A</del></p>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
PES-3	Application of Pesticide to Land Handling and Storage of Pesticide	MOECC	K	<p><b>Education and Outreach</b></p> <p>Where the application, handling and storage of pesticide is, or would be, a significant drinking water threat, the Ministry of the Environment <u>and Climate Change</u> should develop education, training and outreach programs promoting integrated pest management and alternative pest control best management practices, particularly for farms, golf courses and sports fields where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (<u>existing, future</u>); or</li> <li>• WHPA-B (VS=10) (<u>existing, future</u>); or</li> <li>• WHPA-E (VS ≥ 8.1 for application; VS ≥ 9 for handling and storage) (<u>existing, future</u>).</li> </ul>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Consider within</u> 2 years (T-15)	GEN- <del>86</del>	MON-4
PES-4	Application of Pesticide to Land Handling and Storage of Pesticide	Municipality	E	<p><b>Incentive</b></p> <p>Where the application, handling and storage of pesticide is, <del>or would be,</del> a significant drinking water threat, the municipality shall consider providing incentive programs to encourage best management practices for agricultural/rural landowners to reduce the risks to groundwater where the threat is, <del>or would be,</del> significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS ≥ 8.1 for application; VS ≥ 9 for handling and storage) (existing).</li> </ul>	See Maps 1.1 - 1.21	Existing: <u>Consider within</u> 2 years (T-11)	N/A	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-1	Application of Road Salt  (Unassumed Roads and Private Parking Lots)	RMO	H	<p><b>Part IV, s.58</b></p> <p>For unassumed roads and private parking lots <del>with greater than 200 square metres (excluding parking for low density residential)</del>, the application of road salt is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing, future).</li> </ul> <p>Without limiting other requirements, risk management plans shall include a goal to minimize salt usage through alternative measures, while maintaining roadway safety for users.</p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>	<p>GEN-1 <u>GEN-2</u> <u>SAL-3</u></p>	MON-2
SAL-2	Application of Road Salt  (Public Roads)	RMO	H	<p><b>Part IV, s.58</b></p> <p>For public roads, the application of road salt is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is, or would, be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing, future).</li> </ul> <p>Without limiting other requirements, risk management plans shall include provisions for:</p> <p>a) the reduction of salt usage through best management practices such as alternative de-icer materials (with lower sodium and chloride) and/or contemporary technology; and</p> <p>b) the use of trained individuals in the application of road salt (could include technicians and technologists and others responsible for salt management plans, winter maintenance supervisors, patrollers, equipment operators, mechanics, and contract employees).</p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-7)</p> <p>Existing: 1 year/5 years (T-6)</p>	<p>GEN-1 <u>GEN-2</u> <u>SAL-3</u></p>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-3	Application of Road Salt	Planning Approval Authority	A	<p><b>Land Use Planning</b></p> <p>Where the application of road salt to roads and parking lots would be a significant drinking water threat, the planning approval authority shall:</p> <ol style="list-style-type: none"> <li>1) prohibit the establishment of new parking lots with greater than 2000 square metres <del>(approximately 80 spaces) of paved surface</del> in: <ul style="list-style-type: none"> <li>• WHPA-A not in an Issue Contributing Area for Sodium or Chloride (future);</li> </ul> </li> <li>2) prohibit the establishment of new parking lots with greater than 200 square metres <del>(approximately 8 spaces) of paved surface</del> in: <ul style="list-style-type: none"> <li>• WHPA-A in an Issue Contributing Area for Sodium or Chloride (future); and</li> </ul> </li> <li>3) require a salt management plan, which includes a reduction in the future use of salt, as part of a complete application for development which includes new roads and parking lots where the application of road salt is significant in any of the following areas: <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS ≥ 9) (future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (future).</li> </ul> </li> </ol> <p>Such plans should include but not be limited to mitigation measures regarding design of parking lots, roadways and sidewalks to minimize the need for repeat application of road salt such as reducing ponding in parking areas; and directing stormwater discharge outside of vulnerable areas where possible.</p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-9)</p> <p>Amend OPs <del>and ZBLs</del> for conformity within 5 years <u>and ZBLs within 3 years of OP approval</u> (T-8)</p>	<p><u>SAL-1</u> <u>SAL-2</u> <del>N/A</del></p>	MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-4	Application of Road Salt	MOECC	K	<p><b>Specify Action</b></p> <p>Where the application of road salt is, or would be, a significant drinking water threat, the Ministry of the Environment <u>and Climate Change</u> in consultation with other provincial ministries and municipal associations should promote best management practices for the application of road salt, to protect sources of municipal drinking water in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing, future).</li> </ul>	See Maps 1.1 - 1.21	Existing & Future: Consider within 2 years (T-15)	N/A	MON-4
SAL-5	Application of Road Salt	MOECC	K	<p><b>Specify Action</b></p> <p>Where the application of road salt is, or would be, a significant drinking water threat, the Ministry of the Environment <u>and Climate Change</u> in consultation with other provincial ministries and municipal associations should develop a licensing and accreditation program for Snow and Ice Contractors for the application of road salt, to protect sources of municipal drinking water in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing, future).</li> </ul>	See Maps 1.1 - 1.21	Existing & Future: Consider within 2 years (T-15)	N/A	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-6	Application of Road Salt (Provincial Highways)	Ministry of Transportation	K	<p><b>Specify Action</b></p> <p>For provincial highways where the application of road salt is, or would be, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS ≥ 9) (existing, future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing, future);</li> </ul> <p>the Ministry of Transportation should:</p> <p>a) continue the proactive implementation of their salt management plans with their supporting de-icing contractors and the use of best management practices within wellhead protection areas;</p> <p>b) update their salt management plan, as required, to ensure consistency with the most current versions of Environment Canada’s Code of Practice for the Environmental Management of Road Salts and Transportation Association of Canada’s Synthesis of Best Practices;</p> <p>c) investigate and implement where practical, alternative products and mitigation practices and technologies for road salt application and the management of highway runoff and infiltration;</p> <p>d) in consultation with the Source Protection Authority, consider the information contained in the CTC Source Protection Assessment Reports for the siting and prioritization of future <del>pilot projects</del> <u>assessments</u> related to road salt application and the management of highway runoff and infiltration. In particular, <del>a pilot project</del> <u>an assessment of application rates and options for reducing the application of salt</u> should be undertaken at those wells in Orangeville immediately adjacent to Highways 9 and 10; and</p> <p>e) forward upon request to the Source Protection Authority the results of monitoring data on specific pilot projects.</p>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Consider within 2 years (T-15)</u>	N/A	MON-4



**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-7	Handling and Storage of Road Salt	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the handling and storage of road salt is, or would be, a significant drinking water threat <u>(excluding incidental quantities for personal use)</u>, the following actions shall be taken:</p> <p>1) The handling and storage of road salt is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS ≥ 9) (future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of road salt is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS ≥ 9) (existing); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (existing).</li> </ul>		Existing: 1 year/5 years (T-6)	N/A GEN-1 GEN-2	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-8	Application of Road Salt	Municipality	E	<p><b>Education and Outreach</b></p> <p>The municipality shall deliver education and outreach materials and programs where the application, handling and storage of road salt is, or would be, a significant drinking water threat <del>targeted towards:</del><u>in any of the following areas:</u></p> <p><del>a) owners/tenants of residences and small businesses where the application, handling and storage of road salt (existing, future) is, or would be, a significant drinking water threat about the impact of salt on municipal drinking water and what they can do to reduce their use of salt to ensure that the activity ceases to be or does not become a significant drinking water threat; and</del></p> <p><del>b) commercial and industrial sectors to address the importance of source protection planning and the impacts of road salt on drinking water sources, with the key message being responsible salt storage and application, and the use of contemporary technology;</del></p> <p><u>in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• WHPA-A <u>(existing, future)</u>; or</li> <li>• WHPA-B (VS=10) <u>(existing, future)</u>; or</li> <li>• WHPA-E (VS ≥ 9) <u>(existing, future)</u>; or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride <u>(existing, future)</u>.</li> </ul> <p>Where appropriate education and outreach materials prepared by the Ministry of the Environment <u>and Climate Change</u> are available, the municipality shall deliver those materials, <del>targeted towards:</del></p> <p><del>a) owners/tenants of residences and small businesses where the application, handling and storage of road salt (existing, future) is, or would be, a significant drinking water threat about the impact of salt on municipal drinking water and what they can do to reduce their use of salt to ensure that the activity ceases to be or does not become a significant drinking water threat; and</del></p> <p><del>b) commercial and industrial sectors to address the importance of source protection planning and the impacts of road salt on drinking water sources, with the key message being responsible salt storage and application, and the use of contemporary technology.</del></p>	See Maps 1.1 - 1.21	<u>Existing &amp; Future: Implement within 2 years (T-10)</u>	GEN- <del>86</del>	MON-1 MON-4
	MOECC	K						

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-9	Application of Road Salt	SPA	F	<p><b>Monitoring</b></p> <p>Where the application, handling and storage of road salt (existing, future) is, or would be, a significant drinking water threat in an Issue Contributing Area for Sodium or Chloride:</p> <p>a) the responsible Source Protection Authority, in partnership with affected municipalities, shall conduct an investigation on the source and nature of sodium and chloride threats, contingent on funding;</p> <p>b) the municipality shall undertake monthly sampling of sodium and chloride levels in raw water at affected wells and report the results to the Source Protection Authority; and</p> <p>c) the Source Protection Authority <u>in partnership with affected municipalities</u> shall assess the information for any increasing trends and advise the Source Protection Committee on the need for new source protection plan policies to be developed to prevent future drinking water Issues.</p>	See Maps 1.2 1.3 1.11 1.14	<u>Existing &amp; Future:</u> <u>Initiate within</u> 2 years (T-16)	N/A	MON-3
	Handling and Storage of Road Salt	Municipality						MON-1

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-10	Moderate/ Low Threats  Application of Road Salt	Planning Approval Authority	B	<p><b>Land Use Planning</b></p> <p>Where the application of road salt would be a moderate or low drinking water threat, the planning approval authority is encouraged to require a salt management plan, which includes a reduction in the future use of salt, as part of a complete application for development which includes new roads and parking lots in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS&lt;10) (future); or</li> <li>• WHPA-C (future); or</li> <li>• WHPA-D (future); or</li> <li>• WHPA-E (VS ≥ 4.5 and &lt;9) (future); or</li> <li>• HVA (future); or</li> <li>• SGRA (VS ≥ 6) (future).</li> </ul> <p>Such plans should include, but not be limited to, mitigation measures regarding design of parking lots, roadways and sidewalks to minimize the need for repeat application of road salt such as reducing ponding in parking areas, directing stormwater discharge outside of vulnerable areas where possible, and provisions to hire certified contractors.</p>	See Chapter 5 of the respective Assessment Reports	<p>Future: Immediately (T-9)</p> <p>Amend OPs <del>and ZBLs</del> for conformity within 5 years <u>and ZBLs within 3 years of OP approval</u> (T-8)</p>	N/A	N/A
SAL-11	Moderate/ Low Threats  Application of Road Salt	MOE	J	<p><b>Specify Action</b></p> <p>Where the application of road salt is, or would be, a moderate or low drinking water threat, the Ministry of the Environment in consultation with other provincial ministries and municipal associations should promote best management practices for the application of road salt, to protect sources of municipal drinking water in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS&lt;10) (existing, future); or</li> <li>• WHPA-C (existing, future); or</li> <li>• WHPA-D (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5 and &lt;9) (existing, future); or</li> <li>• HVA (existing, future); or</li> <li>• SGRA (VS ≥ 6) (existing, future).</li> </ul>	See Chapter 5 of the respective Assessment Reports	<p><u>Existing &amp; Future: Consider within 2 years</u> (T-15)</p>	N/A	N/A

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SAL-12	Moderate/ Low Threats  Application of Road Salt	Municipality	J	<p><b>Specify Action</b></p> <p>Where the application of road salt on unassumed roads and private parking lots <u>with greater than 200 square metres(excluding low density residential)</u> is, or would be, a moderate or low drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS&lt;10) (existing, future); or</li> <li>• WHPA-C (existing, future); or</li> <li>• WHPA-D (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5 and &lt;9) (existing, future); or</li> <li>• HVA (existing, future); or</li> <li>• SGRA (VS ≥ 6) (existing, future).</li> </ul> <p>the municipality is encouraged to:</p> <p>a) require implementation of a salt management plan which includes the goal to minimize salt usage through alternative measures, while maintaining public safety; and</p> <p>b) require the use of trained individuals in the application of road salt (could include technicians and technologists and others responsible for salt management plans, winter maintenance supervisors, patrollers, equipment operators, mechanics, and contract employees).</p>	See Chapter 5 of the respective Assessment Reports	<u>Existing &amp; Future: Consider within 2 years (T-15)</u>	N/A	N/A
SAL-13	Moderate/ Low Threats  Application of Road Salt  Handling and Storage of Road Salt	SPA  Municipality	J	<p><b>Specify Action</b></p> <p>Where the application, handling and storage of road salt is, or would be, a moderate or low drinking water threat, the municipality is requested to report the results of its sodium and chloride monitoring conducted under the <i>Safe Drinking Water Act</i> and any other monitoring programs annually to the Source Protection Authority. The Source Protection Authority shall assess the information for any increasing trends and advise the Source Protection Committee on the need for new source protection plan policies to be developed to prevent future drinking water issues, in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS&lt;10) (existing, future); or</li> <li>• WHPA-C (existing, future); or</li> <li>• WHPA-D (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.5 and &lt;9) (existing, future); or</li> <li>• HVA (existing, future); or</li> <li>• SGRA (VS ≥ 6) (existing, future).</li> </ul>	See Chapter 5 of the respective Assessment Reports	<u>Existing &amp; Future: Consider within 2 years (T-15)</u>	N/A	N/A

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
SNO-1	Storage of Snow	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the storage of snow is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The storage of snow is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat is, or would be, significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS ≥ 9) (future); or</li> <li>• the remainder of an Issue Contributing Area for Sodium or Chloride (future).</li> </ul> <p>Notwithstanding the above, emergency snow storage may be permitted outside of WHPA-A as determined by the risk management official and the municipality responsible for snow storage.</p>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-5)</p> <p>Existing: 180 days (T-4)</p>	GEN-1	MON-2
			H	<p>2) The storage of snow is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS ≥ 9) (existing); or</li> <li>• The remainder of an Issue Contributing Area for Sodium or Chloride (existing).</li> </ul> <p>Without limiting other requirements, risk management plans shall include appropriate terms and conditions to ensure the storage of snow, and associated runoff, ceases to be a significant drinking water threat.</p>		<p>Existing: 1 year/5 years (T-6)</p>	<p>GEN-1</p> <p>GEN-2</p> <p>N/A</p>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
FUEL-1	Handling and Storage of Fuel (Municipal Wellheads)	MOECC	C	<p><b>Prescribed Instrument</b></p> <p>Where the handling and storage of fuel at a municipal wellhead is in an area where the activity is, or would be, a significant drinking water threat, drinking water licences under the <i>Safe Drinking Water Act</i> shall be reviewed to ensure that appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p> <p>Existing: 3 years (T-1)</p>	GEN-35	MON-4
FUEL-2	Handling and Storage of Fuel (Aggregate Extraction Sites)	MNR	C	<p><b>Prescribed Instrument</b></p> <p>1) The handling and storage of fuel at an aggregate extraction site shall be prohibited where the activity would be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future).</li> </ul>	See Maps 1.1 - 1.21	<p>Future: Immediately (T-3)</p>	N/A	MON-4
				<p>2) Where the handling and storage of fuel at an aggregate extraction site is in an area where the activity is a significant drinking water threat, the license, site plan or permit that governs the activity shall be reviewed to ensure appropriate terms and conditions are included so that the activity ceases to be a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS=10) (existing).</li> </ul>		<p>Existing: 3 years (T-1)</p>	GEN-35	MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
FUEL-3	Handling and Storage of Fuel  (Liquid Fuel and Fuel Oil in Non-Residential (includes ICI, Farm), <del>and</del> Multi-unit Residential <u>and Small Business in quantities ≥2500 litres above or below grade</u> )	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the handling and storage of liquid fuel and fuel oil at non-residential <del>properties, or</del> multi-unit residential properties <u>or small businesses (in quantities ≥ 2500 litres above or below grade)</u> is in an area where the activity is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The handling and storage of fuel is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of fuel is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS=10) (existing).</li> </ul> <p>Without limiting other requirements, risk management plans shall incorporate appropriate provisions of Ontario Regulations 213/01 and 217/01 and their codes, best management practices and standards as amended from time to time to ensure the activity ceases to be a significant drinking water threat.</p>		Existing: 1 year/5 years (T-6)	N/A <u>GEN-1</u> <u>GEN-2</u>	MON-2
		SPA	E	<p>3) The Source Protection Authority shall:</p> <p>a) request <del>inspection reports information</del> from the Technical Standards and Safety <del>Authority Association</del>-(TSSA) on <u>Private Fuel Outlets (PFOs) in areas where the handling and storage of fuel is a significant threat as requested by the SPA the location and number of existing storage tanks that are significant drinking water threats which have been brought into compliance with the new standards under Regs. 213/01 and 217/01, and the location and number of tanks remaining to be upgraded to current standards;</u> and</p> <p>b) provide this information to the Risk Management Official to aid in <del>priorizing</del> <u>prioritizing</u> the development of the risk management plans for those that pose the greatest risk first; <u>and</u></p> <p><u>c) provide to TSSA any data about leaks and other concerns observed, as they relate to TSSA’s mandate to enforce O. Reg. 213/217 (as amended) and their corresponding codes, at PFOs from RMOs or through SPA staff work that would support TSSA’s enforcement of regulatory requirements for PFOs.</u></p>		Existing: 180 days (T-14)	N/A	MON-3



**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
FUEL-4	Handling and Storage of Fuel  (Liquid Fuel and Fuel Oil in Non-Residential (includes ICI, Farm), Multi-unit Residential, Residential, and Small Business)	Municipality	E	<p><b>Education and Outreach</b></p> <p>The municipality shall prepare and deliver education and outreach materials and programs to residences and small businesses where the handling and storage of liquid fuel and fuel oil is, or would be, a significant drinking water threat to advise the owner/tenant about the actions to take to ensure that the activity ceases to be, or does not become, a significant drinking water threat. Where appropriate education and outreach materials prepared by the Ministry of the Environment <u>and Climate Change</u>, TSSA or other parties are available, the municipality shall deliver those materials <u>in any of the following areas:-</u></p> <p><del>Where the handling and storage of liquid fuel and fuel oil is, or would be, a significant drinking water threat in any of the following areas:</del></p> <ul style="list-style-type: none"> <li>• WHPA-A (<u>existing, future</u>); or</li> <li>• WHPA-B (VS=10) (<u>existing, future</u>); or</li> <li>• WHPA-E (VS=10) (<u>existing, future</u>).</li> </ul>	See Maps 1.1 - 1.21	Existing & Future: 2 years (T-10)	GEN- <del>86</del>	MON-1
		MOECC TSSA MGCS	K	<p>The Ministry of the Environment <u>and Climate Change</u> shall collaborate with TSSA and MGCS to:</p> <p>a) provide education and outreach materials for delivery by local municipalities to residences and small businesses about how to prevent spills or leaks from contaminating water and what to do if a spill happens or is suspected;</p> <p>b) include source water safety information into current public education vehicles, such as TSSA’s website and seasonal brochures;</p> <p>c) work with fuel industry associations to facilitate distribution of educational materials to fuel suppliers; and</p> <p>d) provide colleges with source water awareness information that can be integrated into fuel technician training programs.</p>				MON-4

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
DNAP-1	Handling and Storage of a Dense Non-Aqueous Phase Liquid	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the handling and storage of a DNAPL is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The handling and storage of a DNAPL in any quantity (excluding incidental quantities for personal use) is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (VS ≥ 2) (future); or</li> <li>• WHPA-B (VS ≥ 2) (future); or</li> <li>• WHPA-C (VS ≥ 2) (future); or</li> <li>• WHPA-E (VS=10) (future).</li> </ul>	See Maps 2.1 - 2.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of a DNAPL in any quantity (excluding incidental quantities for personal use) is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (VS ≥ 2) (existing); or</li> <li>• WHPA-B (VS ≥ 2) (existing); or</li> <li>• WHPA-C (VS ≥ 2) (existing); or</li> <li>• WHPA-E (VS=10) (existing).</li> </ul>		Existing: 1 year/5 years (T-6)	<del>N/A</del> GEN-1 GEN-2	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
DNAP-2	Handling and Storage of a Dense Non-Aqueous Phase Liquid	Municipality MOECC	E K	<p><b>Education and Outreach</b></p> <p>The municipality shall deliver education and outreach materials and programs where the handling and storage of a DNAPL is, or would be, a significant drinking water threat <del>targeted towards: in any of the following areas in any quantity:</del></p> <p>a) an individual for personal use to promote the use of non-toxic products and additional opportunities for participation in household hazardous waste disposal and to advise the owner/tenant about the actions to take to ensure that the activity ceases to be, or does not become, a significant drinking water threat; and</p> <p>b) industrial and commercial users to promote the use of alternatives to DNAPLs (including non-toxic products), pollution prevention approaches, best management practices, and safe disposal;</p> <p><del>in any of the following areas:</del></p> <ul style="list-style-type: none"> <li>• WHPA-A <del>(VS ≥ 2)</del> <u>(existing, future)</u>; or</li> <li>• WHPA-B (VS ≥ 2) <u>(existing, future)</u>; or</li> <li>• WHPA-C (VS ≥ 2) <u>(existing, future)</u>; or</li> <li>• WHPA-E (VS=10) <u>(existing, future)</u>.</li> </ul> <p>Where education and outreach materials prepared by the Ministry of the Environment <u>and Climate Change</u> are available, the municipality shall deliver those materials, <del>targeted towards:</del></p>	See Maps 2.1 - 2.21	<u>Existing &amp; Future:</u> 2 years (T-10)	GEN- <del>86</del>	MON-1 MON-4
DNAP-3	<b>Moderate/ Low Threats</b> Handling and Storage of a Dense Non-Aqueous Phase Liquid	Municipality	J	<p><b>Specify Action</b></p> <p>Where the handling and storage of a DNAPL is, or would be, a moderate or low drinking water threat, the municipality is encouraged to specify and promote best management practices for the handling and storage of DNAPL for ICI land uses in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-D (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.8 and &lt;10) (existing, future); or</li> <li>• HVA (existing, future); or</li> <li>• SGRA (VS=6) (existing, future).</li> </ul>	See Chapter 5 of the respective Assessment Reports	<u>Existing &amp; Future: Consider within</u> 2 years (T-15)	N/A	N/A

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
OS-1	Handling and Storage of an Organic Solvent	RMO	G	<p><b>Part IV, s.57, s.58</b></p> <p>Where the handling and storage of an organic solvent is, or would be, a significant drinking water threat, the following actions shall be taken:</p> <p>1) The handling and storage of an organic solvent is designated for the purpose of s.57 under the <i>Clean Water Act</i>, and is therefore prohibited where the threat would be significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (future); or</li> <li>• WHPA-B (VS=10) (future); or</li> <li>• WHPA-E (VS=10) (future).</li> </ul>	See Maps 1.1 - 1.21	Future: Immediately (T-5)	GEN-1	MON-2
			H	<p>2) The handling and storage of an organic solvent is designated for the purpose of s.58 under the <i>Clean Water Act</i>, requiring risk management plans, where the threat is significant in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-A (existing); or</li> <li>• WHPA-B (VS=10) (existing); or</li> <li>• WHPA-E (VS=10) (existing).</li> </ul>		Existing: 1 year/5 years (T-6)	N/A <u>GEN-1</u> <u>GEN-2</u>	MON-2

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region**

Policy ID	Threat Description	Implementing Body	Legal Effect	Policy	Where Policy Applies	When Policy Applies	Related Policies	Monitoring Policy
OS-2	Handling and Storage of an Organic Solvent	Municipality MOECC	E K	<p><b>Education and Outreach</b></p> <p>The municipality shall deliver education and outreach materials and programs where the handling and storage of an organic solvent is, or would be, a significant drinking water threat, <del>targeted towards: in any of the following areas:</del></p> <p>a) an individual for personal use to promote the use of non-toxic products and additional opportunities for participation in household hazardous waste disposal and to advise the owner/tenant about the actions to take to ensure that the activity ceases to be, or does not become, a significant drinking water threat; and</p> <p>b) industrial and commercial users to promote the use of alternatives to these chemicals (including non-toxic products), pollution prevention approaches, best management practices, and safe disposal; <del>;</del></p> <p><u>in any of the following areas:</u></p> <ul style="list-style-type: none"> <li>• WHPA-A (existing, future); or</li> <li>• WHPA-B (VS=10) (existing, future); or</li> <li>• WHPA-E (VS=10) (existing, future).</li> </ul> <p>Where education and outreach materials prepared by the Ministry of the Environment <u>and Climate Change</u> are available, the municipality shall deliver those materials, <del>targeted towards:</del></p>	See Maps 1.1 - 1.21	<u>Existing and Future: Implement within 2 years (T-10)</u>	GEN- <del>86</del>	MON-1 MON-4
OS-3	<b>Moderate/ Low Threats</b> Handling and Storage of an Organic Solvent	Municipality	J	<p><b>Specify Action</b></p> <p>Where the handling and storage of an organic solvent is, or would be, a moderate or low drinking water threat, the municipality is encouraged to specify and promote best management practices for the handling and storage of organic solvent for ICI land uses in any of the following areas:</p> <ul style="list-style-type: none"> <li>• WHPA-B (VS &lt;10) (existing, future); or</li> <li>• WHPA-C (existing, future); or</li> <li>• WHPA-D (existing, future); or</li> <li>• WHPA-E (VS ≥ 4.8 and &lt;10) (existing, future); or</li> <li>• HVA (existing, future); or</li> <li>• SGRA (VS ≥ 6) (existing, future).</li> </ul>	See Chapter 5 of the respective Assessment Reports	<u>Existing and Future: Consider within 2 years (T-15)</u>	N/A	N/A

**AMENDED PROPOSED SOURCE PROTECTION PLAN: CTC Source Protection Region****10.14 MONITORING OF POLICY IMPLEMENTATION**

Policy ID	Implementing Body	Legal Effect	Monitoring Policy
MON-1	Municipality	F	The municipality or planning approval authority shall, by February 1 of each year, prepare and submit a report <u>equivalent to Section 65 of O. Reg. 287/07 under the Clean Water Act, 2006</u> to the Source Protection Authority on the actions taken in the previous calendar year to achieve the outcomes of the source protection policy. Where applicable, municipal planning authorities shall provide a copy of the notice of adoption of amendments to official plans and/or zoning by laws. <u>Reporting shall include information related to the effectiveness of the policies in ensuring a threat ceases to be, or does not become significant, and any actions required to respond to a drinking water threat during the reporting period.</u>
MON-2	RMO	F	The risk management official shall, by February 1 of each year, undertake the reporting requirements specified in Section 65 of O. Reg. 287/07 under the <i>Clean Water Act, 2006</i> on the actions taken in the previous calendar year to achieve the outcomes of the source protection policy. <u>Reporting shall include information related to the effectiveness of the policies in ensuring a threat ceases to be, or does not become significant, and any actions required to respond to a drinking water threat during the reporting period.</u>
MON-3	SPA	F	The source protection authority shall include in the annual report pursuant to s.46 under the <i>Clean Water Act, 2006</i> , documentation on the risk reduction efforts they administered throughout the year. <u>Reporting shall include information related to the effectiveness of the policies in ensuring a threat ceases to be, or does not become significant, and any actions required to respond to a drinking water threat during the reporting period.</u>
MON-4	Provincial Ministry	F	The provincial ministry shall, by February 1 of each year, prepare and submit a report to the Source Protection Authority on the actions taken in the previous calendar year to achieve the outcomes of the source protection policy. <u>Reporting shall include information related to the effectiveness of the policies in ensuring a threat ceases to be, or does not become significant, and any actions required to respond to a drinking water threat during the reporting period.</u>