

### *Policy Examples*

*Appendix B will be added when the SPC gets to the appropriate stage in the policy discussions. The policy options presented in appendix B are placeholder policies based on the policy ideas noted above. They are presented in this document to facilitate policy discussion at the upcoming SPC meeting. And subsequent review and comment by the Municipal Source Protection Policy Advisory committee.*

<b>Policy Example Number</b>	8-1
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant, Moderate and Low
<b>Body Responsible for Implementing</b>	Partnership, Conservation Authority to lead
<b>Threat Status</b>	Future, Existing, Expanding
<b>Land Use</b>	All
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Education and Outreach
<b>Policy Idea</b>	<p>Promote Best Management Practices to protect drinking water sources from risks of Commercial Fertilizer:</p> <ul style="list-style-type: none"> <li>• Promotion of nutrient management plans even where not currently required under NMA and recognize similar nutrient management programs from other industries</li> <li>• Promotion of voluntary Environmental Farm Plan;</li> <li>• Spills management and response;</li> <li>• Promote matching fertilizer application or plant uptake;</li> <li>• Education to landowners and application technicians on importance of buffers around wells and surface water where the management of commercial fertilizers is important</li> <li>• Incorporation of source water messaging into existing education and outreach or establish new materials to be provided to landowners whose properties may be utilized for the application or storage of agricultural source materials</li> </ul>
<b>Implementation schedule</b>	Within 2 years of the approval of the Source Protection Plan
<b>Monitoring Policy</b>	Issuing agency to report to SPA on number of educational packages.

<b>Policy Example Number</b>	8-2
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Conservation Authority, Municipality, MOE, others
<b>Threat Status</b>	Existing, Expanding and Future
<b>Land Use</b>	Agricultural
<b>Legal Effect</b>	Strategic Action
<b>Policy Tool</b>	Incentives
<b>Policy Idea</b>	<p>It is highly recommended that the Ontario Drinking Water Stewardship program continue to adequately fund risk mitigation practices for significant drinking water threats over the long term.</p> <p>Existing incentive programs (including EFP, Clean Water Program and others) that contribute to protection of drinking water sources should continue to be supported.</p> <p>The development of new incentive programs are encouraged to assist with the implementation costs of mitigation practices for significant, moderate and low threats on drinking water sources.</p> <ul style="list-style-type: none"> <li>• New and innovative practices which reduce risk should be incorporated into incentive programs</li> <li>• Where funding is limited, emphasis shall be on significant threat mitigation</li> <li>• Encourage appropriate over winter plant cover to reduce risk</li> </ul>
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-3
<b>Sub- Threat(s)</b>	Storage of commercial fertilizers
<b>Circumstance</b>	Both retail sale and manufacturing storage and the amount of fertilizer being stored is greater than 2500 kg.
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Land Use Planning
<b>Policy Idea</b>	The establishment of new storage for retail sale or application of commercial fertilizers greater than 2500kg in any form will not be permitted in vulnerable areas where they would be a significant threat.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-4
<b>Sub- Threat(s)</b>	Application of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	MOE
<b>Threat Status</b>	Existing and Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Prescribed Instrument
<b>Policy Idea</b>	Where a property is required to have a nutrient management strategy as per the Nutrient Management Act, the property owner shall fulfill the requirements of the Nutrient Management Strategy in order to adequately manage significant commercial fertilizer application threats.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-5a
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	MOE
<b>Threat Status</b>	Existing, Expanding and Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Strategic action
<b>Policy Tool</b>	Specify action
<b>Policy Idea</b>	It is recommended that through MOE's on-farm compliance program that location within a source protection vulnerable area is included as a risk factor in selecting inspection priorities.  It is recommended that inspections are conducted every 5 years.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-5b
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	OMAFRA, MOE
<b>Threat Status</b>	Existing, Expanding and Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Strategic action
<b>Policy Tool</b>	Specify action
<b>Policy Idea</b>	It is recommended that OMAFRA include voluntary Nutrient Management Plans and Strategies in its review program.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-6a
<b>Sub- Threat(s)</b>	Storage of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Expanding
<b>Land Use</b>	All
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Risk Management Plan
<b>Policy Idea</b>	The expansion of an existing commercial fertilizer storage site for agricultural source materials will only be permitted in accordance with a Risk Management Plan.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-6b
<b>Sub- Threat(s)</b>	Application of commercial fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Existing, Expanding, and Future
<b>Land Use</b>	Agricultural
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Risk Management Plan
<b>Policy Idea</b>	<p>Commercial fertilizers may only be applied in accordance with an approved Risk Management Plan in areas where it has been deemed a significant threat, excluding farms managing the land within the vulnerable area regulated under the NMA.</p> <p>The Risk Management Plan must be accordance with the application standards as laid out in the NMA or other industry standards and include a spills contingency plan.</p> <p>The Risk Management Plan must be reviewed every 5 years.</p>
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-7
<b>Sub- Threat(s)</b>	Storage of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Existing, Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Conform
<b>Policy Tool</b>	Prohibition
<b>Policy Idea</b>	Temporary fertilizer storage sites will not permitted within vulnerable areas where they are deemed a significant threat.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-8
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Existing, Expanding and Future
<b>Land Use</b>	All
<b>Legal Effect</b>	Strategic action
<b>Policy Tool</b>	Restricted Land use
<b>Policy Idea</b>	The municipality shall amend its zoning by-laws and official plans to include a holding provision for all properties in the affected vulnerable areas.  This policy applies to all land use designations.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	

<b>Policy Example Number</b>	8-9
<b>Sub- Threat(s)</b>	Application and Storage and Handling of Commercial Fertilizers
<b>Circumstance</b>	
<b>Vulnerable Area</b>	WHPA-A, B with a vulnerability score of 10
<b>Risk</b>	Significant
<b>Body Responsible for Implementing</b>	Municipality
<b>Threat Status</b>	Existing, Expanding and Future
<b>Land Use</b>	Agricultural
<b>Legal Effect</b>	Strategic Action
<b>Policy Tool</b>	Land Securement
<b>Policy Idea</b>	Recommend that municipalities consider land securement around wellheads in instances where the municipality wishes to exceed the level of protection identified in the SPP.
<b>Implementation schedule</b>	
<b>Monitoring Policy</b>	