

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 with the SPC and subsequent review and comment by the Municipal Source Protection Policy Advisory committee.

Appendix B – policy examples

Policy Example Number	4-1
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant, Moderate and Low
Body Responsible for Implementing	Partnership, Conservation Authority to lead
Threat Status	Future, Existing, Expanding
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Education and Outreach
Policy Idea	<p>Promote Best Management Practices to protect drinking water sources from chemical and pathogen risks of Agricultural Source Materials including:</p> <ul style="list-style-type: none"> • Promotion of nutrient management plans even where not currently required under NMA; • Promotion of voluntary Environmental Farm Plan; • Spills management and response; • Education to landowners and application technicians on importance of buffers around wells and surface water where the management of ASMs is important • 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
Implementation schedule	Within 2 years of the approval of the Source Protection Plan
Monitoring Policy	Issuing agency to report to SPA on number of educational packages.

Policy Example Number	4-2
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Conservation Authority, Municipality, MOE, others
Threat Status	Existing, Expanding and Future
Land Use	Agricultural
Legal Effect	Strategic Action
Policy Tool	Incentives
Policy Idea	<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"> • New and innovative practices which reduce risk should be incorporated into incentive programs (e.g. vaccination for cattle reduces E-coli) • Where funding is limited, emphasis shall be on significant threat mitigation
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-3
Sub- Threat(s)	Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Future
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Land Use Planning
Policy Idea	The establishment of new nutrient storage facilities for agricultural source materials will not be permitted in vulnerable areas where they would be a significant threat.
Implementation schedule	To be consistent with other OP and bylaw implementation
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-4a
Sub- Threat(s)	Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	MOE
Threat Status	Existing and Expanding
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Prescribed Instrument
Policy Idea	Where a property with existing ASM storage 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 the significant threat.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-4b
Sub- Threat(s)	Application of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	MOE
Threat Status	Existing and Future
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Prescribed Instrument
Policy Idea	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 ASM application threats.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-5a
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	MOE
Threat Status	Existing, Expanding and Future
Land Use	Agricultural
Legal Effect	Strategic action
Policy Tool	Specify action
Policy Idea	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.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-5b
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	OMAFRA, MOE
Threat Status	Existing, Expanding and Future
Land Use	Agricultural
Legal Effect	Strategic action
Policy Tool	Specify action
Policy Idea	It is recommended that OMAFRA include voluntary Nutrient Management Plans and Strategies in its review program.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-6a
Sub- Threat(s)	Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing and Expanding
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Risk Management Plan
Policy Idea	<p>Existing ASM storages deemed a significant threat and not regulated under the NMA will require an approved Risk Management Plan.</p> <p>The Risk Management Plan must be accordance with the ASM storage standards as laid out in the NMA. A spills contingency plan must be included as part of the RMP.</p> <p>The expansion of an existing nutrient storage site for agricultural source materials will only be permitted in accordance with a Risk Management Plan that reduces the existing risk to drinking water quality.</p>
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-6b
Sub- Threat(s)	Application of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing, Expanding, and Future
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Risk Management Plan
Policy Idea	<p>Agricultural source material may only be applied in accordance with an approved Risk Management Plan in areas where it has been deemed a significant threat and the farm managing the land within the vulnerable area is not regulated under the NMA.</p> <p>The Risk Management Plan must be accordance with the ASM application standards as laid out in the NMA.</p> <p>The Risk Management Plan must be reviewed every 5 years.</p>
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-7
Sub- Threat(s)	Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing, Future
Land Use	Agricultural
Legal Effect	Conform
Policy Tool	Prohibition
Policy Idea	Temporary field nutrient storage sites will not permitted within vulnerable areas where they are deemed a significant threat.
Implementation schedule	The policy takes effect one year after the approval date of the first source protection plan.
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-8
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing, Expanding and Future
Land Use	Agricultural
Legal Effect	Strategic action
Policy Tool	Restricted Land use
Policy Idea	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.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	4-9
Sub- Threat(s)	Application and Storage of ASMs
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing, Expanding and Future
Land Use	Agricultural
Legal Effect	Strategic Action
Policy Tool	Land Securement
Policy Idea	Recommend that municipalities consider land securement around wellheads in instances where the municipality wishes to exceed the level of protection identified in the SPP.
Implementation schedule	
Monitoring Policy	