

Policy Examples

Appendix B will be added when the SPC gets to the appropriate stage in the policy discussions. The policy examples 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.

Policy Example Number	
Sub- Threat(s)	
Circumstance	
Vulnerable Area	
Risk	
Body Responsible for Implementing	
Threat Status	
Land Use	
Legal Effect	
Policy Tool	
Policy Ideas	
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-1
Sub- Threat(s)	Application and Storage and Handling of Pesticides
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	All
Legal Effect	Conform
Policy Tool	Education and Outreach
Policy Idea	<p>Promote agricultural, recreational and industrial Best Management Practices to protect drinking water sources from risks of pesticides including:</p> <ul style="list-style-type: none"> • Promotion of Integrated Pest Management; • Increase awareness of the existing cosmetic pesticide ban • Retail, wholesale and end user education program and spill contingency plans; • Increase awareness of areas which are vulnerable • Education to landowners and application technicians on importance of buffers around wells and surface water where the management of pesticides 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 pesticides
Implementation schedule	Within 2 years of the approval of the Source Protection Plan
Monitoring Policy	Issuing agency to report to SPA on educational packages and scope of distribution.

Policy Example Number	10-2
Sub- Threat(s)	Application and Storage and Handling of Pesticides
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	All
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> <ul style="list-style-type: none"> • For storage of pesticides
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-3
Sub- Threat(s)	Storage of pesticides
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Future
Land Use	All
Legal Effect	Conform
Policy Tool	Land Use Planning
Policy Idea	The establishment of new pesticide storage facilities involving manufacturing, processing, wholesaling, and retailing of pesticides, as well as storage for extermination will not be permitted in vulnerable areas where they would be a significant threat.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-4
Sub- Threat(s)	Application of pesticides
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	All
Legal Effect	Conform
Policy Tool	Prescribed Instrument – Pesticide Act
Policy Idea	Pesticide application permits
Implementation schedule	<p>Where a property is required to have a pesticide application permit as per the <i>Pesticide Act</i>, MOE shall ensure the permit is compliance with the Source Protection Plan</p> <ul style="list-style-type: none"> • It must prohibit application of specific pesticides in areas where they are a significant threat • It must emphasize protection of municipal wellheads
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-5
Sub- Threat(s)	Application and Storage and Handling of Pesticides
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	All
Legal Effect	Strategic action
Policy Tool	Specify action
Policy Idea	It is recommended that MOE include location within a source protection vulnerable area as a risk factor in selecting inspection priorities for Pesticide application permits.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-6a
Sub- Threat(s)	Storage of pesticides
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	Existing pesticide storages deemed a significant threat will require an approved Risk Management Plan. The expansion of an existing pesticide storage site shall only be permitted in accordance with a Risk Management Plan that reduces the existing risk to drinking water quality.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-6b
Sub- Threat(s)	Application of pesticides
Circumstance	
Vulnerable Area	WHPA-A, B with a vulnerability score of 10
Risk	Significant
Body Responsible for Implementing	Municipality
Threat Status	Existing and Future
Land Use	All
Legal Effect	Conform
Policy Tool	Risk Management Plan
Policy Idea	Pesticides may only be applied in accordance with an approved Risk Management Plan in areas where it has been deemed a significant threat. The Risk Management Plan must be reviewed every 5 years.
Implementation schedule	
Monitoring Policy	

Appendix B – policy examples

Policy Example Number	10-7
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	All
Legal Effect	Conform
Policy Tool	Prohibition
Policy Idea	Temporary pesticide 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 and Handling of Pesticides
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	All
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 and Handling of Pesticides
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	All
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	