

Report To: Halton-Hamilton Source Protection Committee
Report No.: SPC-23-12-05
From: Martin Keller, Senior Manager, Watershed Planning and Source Protection
Date: December 5, 2023
Subject: Update – Draft Policy Package – Commercial Fertilizer & Pesticides

Recommendation

THAT the Halton-Hamilton Source Protection Committee receives for information the staff report SPC-23-12-05 Draft Policy Package – Commercial Fertilizer & Pesticides

Executive Summary

Staff are continuing to analyze the implications of the updated technical framework and revised 2021 Technical Rules under the *Clean Water Act, 2006*, including revised circumstances for identifying significant drinking water threats in the Halton-Hamilton Source Protection Region (HHSPR). Draft policies for the application, handling and storage of commercial fertilizer and pesticides were discussed at the Municipal Working Group meetings on October 18, 2023 and November 15, 2023 and are presented to the Source Protection Committee (SPC) in this report for discussion and feedback.

Report Background

In December 2021, the Ministry of the Environment, Conservation and Parks (MECP) revised the Technical Rules under the *Clean Water Act, 2006*. The rules are available at: <https://www.ontario.ca/page/2021-technical-rules-under-clean-water-act>

The recently submitted and approved comprehensive HHSPR updates under Section 36 of the *Clean Water Act, 2006* were undertaken following the 2017/2018 Technical Rules. The 2021 Technical Rules will apply to subsequent Assessment Report and Source Protection Plan updates at HHSPR.

Policy Development

Staff presented proposed policy intent for the application, handling and storage of commercial fertilizer and pesticides at the September 26, 2023 Source Protection Committee meeting for initial discussion and feedback. SPC comments were reviewed, and staff developed and presented draft policy text for the application, handling and storage of commercial fertilizer and pesticides together with the SPC comments to municipal staff and Risk Management Officials (RMO) at the October 18, 2023 Municipal Working Group meeting.

Feedback from municipal staff and the RMOs was taken into consideration and revised policy text was presented at the November 15, 2023 Municipal Working Group meeting. Municipal staff and Risk Management Officials (RMO) are in support of the proposed draft policies regarding application, handling and storage of fertilizer, presented in this report. Municipal staff and RMOs are continuing discussions with staff to develop proposed draft policies regarding the application, handling and storage of pesticides. Further changes may be made based on feedback from the Source Protection Committee.

Application of Commercial Fertilizer

The initial intent of the policies addressing the application of commercial fertilizer was to eliminate the application of commercial fertilizers in all WHPA-A areas (existing and future) and to limit or reduce the amount of commercial fertilizer applied in all other vulnerable areas where that activity is or would be a significant risk to drinking water sources.

Following discussion with Municipal Staff and RMOs and after consideration of SPC member comments, staff determined that the need for prohibiting the application of commercial fertilizer is not scientifically supported. The Halton-Hamilton Source Protection Region does not have any wellhead protection areas where elevated nitrate concentrations are a concern. Management of the risk associated with the application of commercial fertilizer where the activity is or would be a significant drinking water threat, through a Risk Management Plan (RMP), is sufficient.

Handling and Storage of Commercial Fertilizer

The 2021 Technical Rules identify any handling and storage of commercial fertilizer in quantities greater than 2500kg to be a significant drinking water threat in wellhead protection areas with a vulnerability score of 10. The intent of the proposed draft policies is to mitigate any existing threat through an RMP. Staff proposed that any future handling and storage greater than 2500kg of commercial fertilizer shall be prohibited in WHPA-A and managed through an RMP in WHPA-B where it would be a significant drinking water threat (i.e., WHPA-B v10).

Application of Pesticides

Staff are continuing discussion with Municipal staff and RMOs to determine the appropriate policy tool for the application of pesticides. The current proposed intent is to prohibit the application of pesticides in WHPA-A. Outside of WHPA-A, where the activity is or would be considered a significant drinking water threat, staff propose the application of pesticides be managed by an RMP.

Handling and Storage of Pesticides

The intent of the policies with respect to handling and storage of pesticides is to prohibit the storage of pesticides in all WHPA-A areas where the quantity stored would be greater than 2500kg. In vulnerable areas where the handling and storage of pesticides in quantities greater than or equal to 250kg is or would be a significant drinking water threat, the activity should be managed with an RMP.

Appendix A provides more detail and summarizes the 2021 Technical Rules for application, handling and storage of commercial fertilizer and the circumstances that apply to the Halton-Hamilton Source Protection Region, proposed policy intent, favourable policy tools and potential vulnerable areas found during GIS analysis of where the activity could occur. The appendix also includes a comparison chart of current policies and the proposed changes and all proposed draft policy text.

Appendix B summarizes the 2021 Technical rules for application, handling and storage of pesticides and the circumstances that apply to the Halton-Hamilton Source Protection Region, proposed policy intent, favourable policy tools and potential vulnerable areas found during GIS analysis of where the activity could occur. The appendix also includes a comparison chart of current policies and the proposed changes, and all proposed draft policy text.

Next Steps

Following feedback from Source Protection Committee members, staff will continue discussions with municipal staff and any further policy revisions will be brought forward at a future SPC meeting.

Signed & respectfully submitted:



Martin Keller
Senior Manager, Watershed Planning and Source Protection



Mardi Bergen
Source Water Information Coordinator, Watershed Planning and Source Protection

Appendix A

2021 Technical Rule Changes – Commercial Fertilizer

Proposed Policy Concepts

Application of Commercial Fertilizer

Intent –minimize the risk to sources of drinking water where the application of fertilizer is or would be a significant drinking water threat.

Tool –Section 58 – RMP: WHPA with a vulnerability score of 10 and in a WHPA-E with a vulnerability score greater than 9, where the application of commercial fertilizer is or would be a significant drinking water threat.

Storage and Handling of Commercial Fertilizer

Intent – eliminate the storage and handling of commercial fertilizer where the activity would be a significant threat in a WHPA-A

Tool – Section 57 Prohibition: prohibit the future storage and handling of commercial fertilizer (in any form) over 2500kg in a WHPA-A. Section 58 RMP in WHPA-A for **existing** storage and handling of commercial fertilizer, and in a WHPA-B with a score of 10 for **existing and future** storage and handling of commercial fertilizer.

Other tools used include: Best Management Practices for Golf courses and Prescribed Instruments for the OMAFRA to ensure nutrient management plans are in place to protect drinking water sources where the application of commercial fertilizer is or would be a significant threat.

Threat: Application, Storage and Handling of Commercial Fertilizers

Activity	Existing/ Future	Vulnerable Area	Significant Threat VSA	Threshold	Intent	Tool Options	Applicable to HHSPR	Notes
Application of Fertilizer	Existing/ Future	WHPA-A WHPA-B WHPA-E	10 10 9-10	>80% managed lands or >1 nutrient unit per acre	Educate property owners and mitigate threat	S.58 RMP E&O		
Handling & Storage	Existing Existing/ Future	WHPA-A WHPA-B	10 10	2500kg +	Mitigate Threat	S. 58 RMP E&O BMP	WHPA-A WHPA-B	
Handling & Storage	Future	WHPA-A	10	2500kg +	Eliminate Threat	S. 57 Prohibition E&O	WHPA-A	

Policy Comparison Overview

Tool	Current Policies (2022)	Current Policy Number	Proposed Policies	New Policy Number
Education and Outreach	Upper tier municipalities to continue their established plans. Within 2 years of plan approval, collaborate with the CAs to implement outreach program to newly identified threats to promote best practices	T-27-C	No change	T-27-C
Land Use Planning	Municipal planning authorities requested to require proponents to disclose whether that activity is expected to occur on the property	T-53-C	No change	T-53-C
Restricted Land Use (S.59)	A risk management official shall screen all building permits and Planning Act applications for properties where there would be a SDWT	T-25-C a	Proposed to be repealed	T-25.2-C
Risk Management Plans (S.58)	Create a risk management plan for application, storage and handling of commercial fertilizer where it is and would be a SDWT	T-25-C b	Proposed to be repealed and replaced with new policy New: Create a risk management plan for the application of commercial fertilizer (existing and future) where the activity is or would be a SDWT. Retain wording that RMP should include equivalent terms and conditions as NMP. New: Create a risk management plan for the storage and handling of commercial fertilizer where the activity is or would be a SDWT. Retain wording that RMP should include equivalent terms and conditions as NMP.	T-25.2-C T-25.3-C
Prohibition (S. 57)	N/A	N/A	New: Prohibition (S. 57) for the future storage and handling of commercial fertilizer in WHPA-A.	T-25.1-C
Other	Prescribed Instrument – OMAFRA: to ensure nutrient management plan, required through the Nutrient Management Act, ensures that that application of fertilizer never becomes or ceases to be a SDWT	T-26-C	No change	T-26-C
Other	Best Practices – where the application, storage and handling is or would be a SWDT on a golf course property, municipal planning authority shall encourage all operators to obtain and retain Audubon -Co-operative Sanctuary Certification	T-28-C	No change	T-28-C

Other	Compliance Inspections – MECP: requested to conduct regular compliance inspections of agricultural operations, including application, storage and handling of commercial fertilizer	T-22-S	No change	T-22-S
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Potential Significant Threat Locations

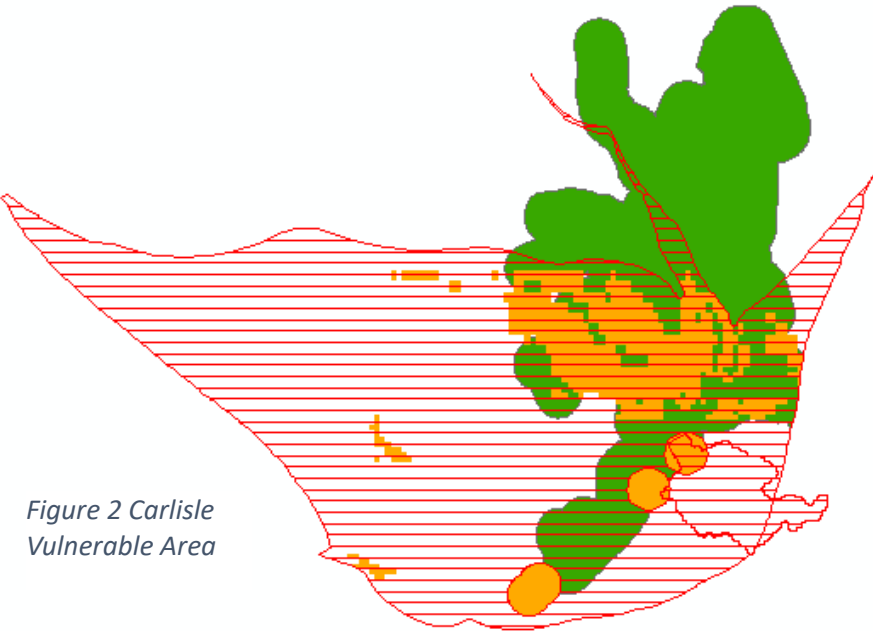




Figure 2 Freelon and
Carlisle Vulnerable Areas

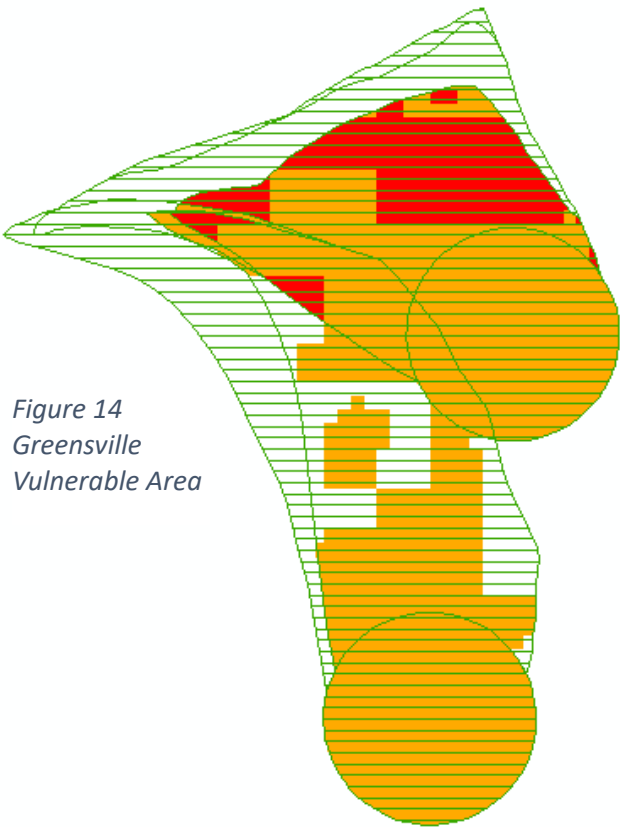


Figure 14
Greenville
Vulnerable Area

WHPA-A – Where Application of Commercial Fertilizer would apply

Legend




-  WHPA-A
-  Drinking Water Well
-  Agricultural Land Use



Figure 5 Kelso WHPA-A



Figure 3 Walkers Line WHPA-A



Figure 7 Campbellville WHPA-A



Figure 8 Carlisle WHPA-A (1)



Figure 9 Carlisle WHPA-A (2)



Figure 10 Greenville WHPA-A (1)



Figure 11 Greenville WHPA-A (2)



Figure 12 Freelon WHPA-A (1)



Figure 13 Freelon WHPA-A (2)

Policy ID	T-25.1-C
Threat	Handling and Storage of commercial fertilizer
Policy Tool	Prohibition
Policy Implementer	Risk Management Official
Policy	Where the handling and storage of commercial fertilizer would be a significant drinking water threat in WHPA-A, a) the activity shall be designated for the purpose of Section 57 of the CWA and shall be prohibited; and b) the Risk Management Official shall document in their annual report, in accordance with Section 65 of Ontario Regulation 287/07, actions taken to prohibit the application, handling and storage of commercial fertilizers and submit this report to the Source Protection Authority by February 1 of each year.
Legal Effect	Part a - Must conform with - legally binding. List G (Appendix C – Compliance Lists). (Part b is a monitoring policy)
Where Policy Applies	See Figures 2 to 11. <ul style="list-style-type: none">WHPA-A, V. score 10.
When Policy Applies	Future

Policy ID	T-25.2-C
Threat	Application of commercial fertilizer
Policy Tool	Risk Management Plan
Policy Implementer	Risk Management Official
Policy	<p>Where the existing or future application of commercial fertilizer is or would be a significant drinking water threat,</p> <p>a) the activity shall be designated for the purpose of Section 58 of the CWA and a Risk Management Plan shall be required;</p> <p>b) the Risk Management Plan should include terms and conditions that are, at minimum, equivalent to terms and conditions in a Nutrient Management Plan; and</p> <p>c) the risk management official shall document action taken regarding risk management plans for the application, handling and storage of commercial fertilizer in their annual report in accordance with Section 65 of Ontario Regulation 287/07, and the official shall submit this report to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a - Must conform with - legally binding. List H (Appendix C - Compliance Lists).</p> <p>(Part c is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none">• WHPA-A & WHPA-B – V. score 10; WHPA-E – V. score 9-10
When Policy Applies	Existing and future

Policy ID	T-25.3-C
Threat	Handling and Storage of commercial fertilizer
Policy Tool	Risk Management Plan
Policy Implementer	Risk Management Official
Policy	<p>Where the handling and storage of commercial fertilizer is or would be a significant drinking water threat,</p> <p>a) the activity shall be designated for the purpose of Section 58 of the CWA and a Risk Management Plan shall be required if one of the following apply:</p> <p>1. The handling and storage in a WHPA-A is an existing significant drinking water threat; or</p> <p>2. The handling and storage in a WHPA-B is or would be a significant drinking water threat;</p> <p>b) The Risk Management Plan should include terms and conditions that are, at minimum, equivalent to terms and conditions in a Nutrient Management Plan; and</p> <p>c) The risk management official shall document action taken regarding risk management plans for the application, handling and storage of commercial fertilizer in their annual report in accordance with Section 65 of Ontario Regulation 287/07, and the official shall submit this report to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a - Must conform with - legally binding. List H (Appendix C - Compliance Lists).</p> <p>Part b - Must conform with - legally binding. List H (Appendix C - Compliance Lists).</p> <p>(Part c is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none">WHPA-A (Existing) & WHPA-B – V. score 10 (Existing/Future)
When Policy Applies	Existing and future

Policy ID	T-26-C
Threat	Application of commercial fertilizer
Policy Tool	Prescribed instrument
Policy Implementer	Ministry of Agriculture, Food and Rural Affairs
Policy	<p>Where the existing and future application of commercial fertilizer would be a significant drinking water threat,</p> <p>a) the Ministry of Agriculture, Food and Rural Affairs shall ensure that nutrient management plans required under the Nutrient Management Act include measures that, when implemented, will ensure that this activity never becomes or ceases to be a significant drinking water threat; and</p> <p>b) the Ministry of Agriculture, Food and Rural Affairs shall document the number and locations of properties where nutrient management plans were reviewed, and the measures included that will ensure that this activity never becomes a significant drinking water threat and report this information to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a - Must conform with - legally binding. List C (Appendix C - Compliance Lists).</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <p>WHPA-A & B – V. score 10; WHPA-E – V. score 9</p>
When Policy Applies	Existing and Future

Policy ID	T-27-C
Threat	Application of commercial fertilizer to land and storage of commercial fertilizer
Policy Tool	Education and outreach
Policy Implementer	City of Hamilton, Regional Municipality of Halton
Policy	<p>Where the existing and future application, or handling and storage of commercial fertilizer would be significant drinking water threats,</p> <p>a) the City of Hamilton and the Region of Halton shall continue their established, related education and outreach programs. In addition, within two years of the date that the updated Source Protection Plan comes into effect, the City of Hamilton and the Region of Halton, in collaboration with the Halton Region and Hamilton Region Conservation Authorities, are requested to develop and implement education and outreach programs for newly identified threats to promote best management practices regarding these activities for the protection of source water; and</p> <p>b) the City of Hamilton and the Region of Halton shall document any new and existing education and outreach programs established regarding the application, handling or storage of commercial fertilizer, and report this information to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a - Must comply with - legally binding. List E (Appendix C - Compliance Lists)</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none">• Application of commercial fertilizer: WHPA-A & B – V. score 10; WHPA-E – V. score 9.• Storage of commercial fertilizer: WHPA-A & B – V. score 10.
When Policy Applies	Existing and future

Policy ID	T-28-C
Threat	Application of commercial fertilizer to land and storage of commercial fertilizer
Policy Tool	Best management practice
Policy Implementer	Municipal planning authority
Policy	<p>For golf course properties located where the existing and future application, or storage and handling of commercial fertilizers would be significant drinking water threats,</p> <p>a) the municipal planning authority shall encourage all operators to obtain and retain Audubon Co-operative Sanctuary Certification.</p> <p>b) the municipal planning authority shall document the number of golf course operators approached and the number of golf courses with an Audubon Co-operative Sanctuary Certificate and report this information to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a - Must comply with - legally binding. List E (Appendix C - Compliance Lists)</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none">• Application of commercial fertilizer: WHPA-A & B – V. score 10; WHPA-E – V. score 9.• Storage of commercial fertilizer: WHPA-A & B – V. score 10.
When Policy Applies	Existing and future
Notes	The Audubon Co-operative Sanctuary Certification is an award-winning education and certification program that provides guidance on environmental protection practices.

Policy ID	T-53-C
Threat	Multiple
Policy Tool	Land use planning
Policy Implementer	Municipal planning authorities
Policy	<p>To facilitate the effective implementation of policies for significant drinking water threats and assist in municipal decision-making,</p> <p>a. the municipal planning authorities are requested to require proponents to disclose whether any of the following activities are expected to occur on the property where they would be significant drinking water threats, proposed storage location, where applicable, as well as the substances utilized or stored and their volume:</p> <ul style="list-style-type: none">i. the establishment, operation or maintenance of a system that collects, stores, transmits, treats, or disposes of sewageii. the application or storage of agricultural source materialiii. the application, or handling and storage of commercial fertilizeriv. the application, or handling and storage of pesticidev. the application, or handling and storage of road saltvi. the storage of snowvii. the handling and storage of fuelviii. the handling and storage of a dense non-aqueous phase liquidix. the handling and storage of an organic solventx. the use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yardxi. the establishment and operation of a liquid hydrocarbon pipeline. <p>b. the City of Hamilton, the Region of Halton, and the County of Wellington are requested to require a full disclosure report as part of a complete application under the Planning Act.</p> <p>c. Repealed.</p> <p>d. the municipal planning authority shall report to the Source Protection Authority by February 1 of each year on actions taken to amend municipal documents/processes to require disclosure of threat activities and the number of disclosure reports that were received in the previous year.</p>
Legal Effect	Parts a and b Must conform with - legally binding. List A (Appendix C - Compliance Lists) (Part d is a monitoring policy)
Where Policy Applies	See Figures 2 to 11.
When Policy Applies	Future

Policy ID	T-22-S
Threat	Application of agricultural source material (ASM) to land; storage of ASM; application of non-agricultural source material (NASM) or biosolids to land; storage of NASM; application of commercial fertilizer to land; storage of commercial fertilizer; ASM generation (yards or confinement); ASM generation (grazing and pasturing)
Policy Tool	Other tools: compliance inspections of agricultural operations
Policy Implementer	Ministry of the Environment, Conservation and Parks
Policy	<p>To monitor compliance with nutrient management plans and strategies, non-agricultural source material plans, and Ontario Regulation 267/03 requirements for properties located within vulnerable areas where there are now or potentially would be significant drinking water threats due to the application and storage of agricultural source materials, non-agricultural source materials, commercial fertilizer, and land used for outdoor confinement areas and farm-animal yards,</p> <p>a. the Ministry of the Environment, Conservation and Parks is requested to conduct regular compliance inspections of agricultural operations where significant drinking water threats occur, and shall guide farmers to improve compliance performance, when needed.</p> <p>b. the Ministry of the Environment, Conservation and Parks shall document the number and location of inspections that were compliant and non-compliant with nutrient management plans and strategies, and non-agricultural source material plans and the actions taken, and report this information to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	Part a - Strategic - non-legally binding. List K (Appendix C - Compliance Lists) (Part b is a monitoring policy)
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none">• Application of ASM to land, storage of ASM, application of NASM, storage of NASM, ASM generation (yards or confinement), ASM generation (grazing and pasturing): WHPA-A & B – V. score 10; WHPA-E – V. score 9 & 8.1.• Application of commercial fertilizer: WHPA-A & B – V. score 10; WHPA-E – V. score 9.• Storage of commercial fertilizer: WHPA-A & B – V. score 10.
When Policy Applies	Existing and future

Appendix B

2021 Technical Rule Changes – Pesticides

Proposed Policy Concepts

Application of Pesticides

Intent – to eliminate the future application of pesticides in WHPA-A and to mitigate the risk in WHPA-B v 10 and WHPA-E >8.1 where the application of pesticide is or would be a significant risk.

Tool – Section 57 Prohibition to prohibit new application of pesticides in a WHPA A. Section 58 RMP used to mitigate the risk of pesticide application for WHPA-A where the activity is an existing threat and for WHPA-B with a vulnerability score of 10 and WHPA E with a score >8.1 where the activity is or would be a threat.

Storage and Handling of Pesticides

Intent – to eliminate the future storage and handling of pesticides greater than 250kg in a WHPA A, where it would be a significant threat and to mitigate the risk of handling and storage of pesticides greater than 250kg where **it is an existing threat** in a WHPA-A, or **it is or would be** a significant threat in WHPA B v 10 and WHPA E score >9

Tool – Section 57 Prohibition to prohibit future handling and storage in WHPA A and Section 58 RMP to mitigate existing and future risk. Non- Legally binding Best Practise policy encouraging the Agrichemical Warehousing Standards association to ensure their policies include ways to protect municipal drinking water sources.

Threat: Application, Storage and Handling of Pesticides

Activity	Existing/Future	Vulnerable Area	Significant Threat VSA	Threshold	Intent	Tool Options	Applicable to HHSPR	Notes
Application of Pesticides	Future	WHPA-A	10	>= 1Hectare	Eliminate the application of pesticides	S. 57. Prohibition E&O	All WHPA-A	
Application of Pesticides	Existing Existing/Future Existing/Future	WHPA-A WHPA-B WHPA-E	10 10 8.1 -10	>= 1Hectare	Mitigate Risk	S. 58 RMP E&O	WHPA-B Carlisle WHPA-E	
Storage and Handling	Existing Existing/Future Existing/Future	WHPA-A WHPA-B WHPA-E	10 10 9-10	>=250kg	Mitigate Risk	S. 58. RMP E&O	WHPA-A WHPA-B Carlisle WHPA-E	

Storage and Handling	Future	WHPA-A	10	>250KG	Eliminate risk of storage and handling	S. 57 Prohibition E&O	All WHPA-A	
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Policy Comparison Overview

Tool	Current Policies (2022)	Current Policy Number	Proposed Policies	New Policy Number
Education and Outreach	Upper tier municipalities to continue their established plans. Within 2 years of plan approval, collaborate with the CAs to implement outreach program to newly identified threats to promote best practices	T-31-C	No Change	T-31-C
Land Use Planning	Municipal planning authorities requested to require proponents to disclose whether that activity is expected to occur on the property	T-53-C	No Change	T-53-C
Restricted Land Use (S.59)	a risk management official shall screen all building permits and planning act applications for properties where there would be a SDWT	T-29-C	Proposed to be repealed	T-29-C
Risk Management Plans (S.58)	Create a risk management plan for storage and handling of commercial fertilizer where it is and would be a SDWT	T-29-C	Proposed to be repealed and replaces with new policy New: Create a risk management plan for the application (existing in a WHPA-A) of pesticides where it is or would be a SDWT. New: Create a risk management plan for the handling and storage (existing/future) of pesticides where it is or would be a SDWT	T-29.2-C T-29.3-C
Prohibition (S. 57)	N/A	N/A	New: Prohibition (S. 57) for the future application, storage and handling of pesticides in WHPA-A.	T-29.1-C
Other	Best Management Practices – Agrichemical Warehousing Standards Association is requested to review their standards to ensure they include appropriate buffer areas and emergency planning and response measures	T-30-S	No Change	T-30-S



Figure 1 Kelso



Figure 2 Campbellville



Figure 3 Walkers Line



Figure 4 Freelon



Figure 5 Carlisle



Figure 6 Greenville

Proposed Draft Policies

Policy ID	T-29.1-C
Threat	Application, Handling and storage of a pesticide
Policy Tool	Prohibition
Policy Implementer	Risk Management Official
Policy	<p>Where the future application, handling and storage of pesticides would be a significant drinking water threat in WHPA-A,</p> <ul style="list-style-type: none"> a) the activity is designated for the purpose of Section 57 of the CWA and shall be prohibited b) The Risk Management Official shall document in their annual report, in accordance with Section 65 of Ontario Regulation 287/07, actions taken to prohibit application, handling and storage of pesticides and submit this report to the Source Protection Authority by February 1 of each year.
Legal Effect	<p>Part a – Must conform with - legally binding. List I (Appendix C – Compliance Lists);</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <p>WHPA-A V. score 10</p>
When Policy Applies	Future

Policy ID	T-29.2-C
Threat	Application of a pesticide
Policy Tool	Risk Management Plan
Policy Implementer	Risk Management Official
Policy	<p>Where the application of pesticides is or would be a significant drinking water threat,</p> <p>a) The activity shall be designated for the purpose of Section 58 of the CWA and a Risk Management plan shall be established if one of the following apply;</p> <ol style="list-style-type: none"> 1. The activity is a significant drinking water threat in a WHPA-A; or 2. The activity is or would be a significant drinking water threat in a WHPA-B or WHPA-E <p>b) The risk management official shall document in their annual report, in accordance with section 65 of Ontario Regulation 287/07, action taken regarding risk management plans for the handling and storage of pesticide and submit this report to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a – Must conform with - legally binding. List I (Appendix C – Compliance Lists);</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <p>WHPA-A (existing) WHPA-B – V. score 10; WHPA-E – V. score 9-10 WHPA-E V. score 8.1 (application)</p>
When Policy Applies	Existing/Future

Policy ID	T-29.3-C
Threat	Handling and storage of a pesticide
Policy Tool	Risk Management Plan
Policy Implementer	Risk Management Official
Policy	<p>Where the handling and storage of pesticides is or would be a significant drinking water threat,</p> <p>a) The activity shall be designated for the purpose of Section 58 of the CWA and a Risk Management plan shall be established if one of the following apply;</p> <ol style="list-style-type: none"> 1. The activity is a significant drinking water threat in a WHPA-A; or 2. The activity is or would be a significant drinking water threat in a WHPA-B or WHPA-E <p>b) The risk management official shall document in their annual report, in accordance with section 65 of Ontario Regulation 287/07, action taken regarding risk management plans for the handling and storage of pesticide and submit this report to the Source Protection Authority by February 1 of each year.</p>
Legal Effect	<p>Part a – Must conform with - legally binding. List I (Appendix C – Compliance Lists);</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <p>WHPA-A (existing) WHPA-B – V. score 10; WHPA-E – V. score 9-10 WHPA-E V. score 8.1 (application)</p>
When Policy Applies	Existing/Future

Policy ID	T-30-S
Threat	Handling and storage of a pesticide
Policy Tool	Best management practice
Policy Implementer	Agrichemical Warehousing Standards Association
Policy	<p>Where the future handling and storage of pesticide would be a significant drinking water threat,</p> <ul style="list-style-type: none"> a) the Agrichemical Warehousing Standards Association is requested to review their standards to ensure they include appropriate buffer areas and emergency planning and response measures to protect municipal drinking water sources. b) the Halton Region and Hamilton Region Conservation Authorities shall request the Agrichemical Warehousing Standards Association annually to confirm that their standards protect municipal drinking water sources.
Legal Effect	Part a - Strategic - non-legally binding. List K (Appendix C – Compliance Lists) (Part b is a monitoring policy)
Where Policy Applies	See Figures 2 to 11. WHPA-A & B – V. score 10; WHPA-E – V. score 9
When Policy Applies	Future

Policy ID	T-31-C
Threat	Application, and handling and storage of pesticide
Policy Tool	Education and outreach
Policy Implementer	City of Hamilton, Regional Municipality of Halton
Policy	<p>Where the existing and future application, or handling and storage of pesticide are significant drinking water threats,</p> <ul style="list-style-type: none"> a) the City of Hamilton and the Region of Halton shall continue their established, related education and outreach programs. In addition, within two years of the date that the updated Source Protection Plan comes into effect, the City of Hamilton and the b) Region of Halton, in collaboration with the Halton Region and Hamilton Region Conservation Authorities, are requested to undertake an education and outreach program for newly identified threats on pesticide use and storage methods and their potential impacts on drinking water sources. the City of Hamilton and the Region of Halton shall document the nature of any new and existing education and outreach program established regarding the application, and the handling and storage of pesticide and report this information to the Source Protection Authority by February 1 of each year.
Legal Effect	<p>Part a - Must comply with - legally binding. List E (Appendix C - Compliance Lists)</p> <p>(Part b is a monitoring policy)</p>
Where Policy Applies	<p>See Figures 2 to 11.</p> <ul style="list-style-type: none"> • handling and storage of pesticide: WHPA-A & B – V. score 10; WHPA-E – V. score 9 • application of pesticide: WHPA-A & B – V. score 10; WHPA-E – V. score 9 & 8.1
When Policy Applies	Existing and future