

May 14, 2021

City of Ottawa
Attention: Rick O'Connor
110 Laurier Ave West (1st Floor)
Ottawa, ON K1P 1J1

Re: SOURCE PROTECTION PLAN AMENDMENT

Notice Seeking Municipal Council Resolution under S. 34(2) of the *Clean Water Act*
And
Pre-Consultation Notice under Ontario Regulation 287/07

Dear Council and Staff,

The Mississippi and Rideau Source Protection Authorities (SPAs) are proposing an amendment to the Mississippi-Rideau Source Protection Plan under Section 34 of the *Clean Water Act*.

North Grenville—New Northwestern Quadrant Well

The Municipality of North Grenville is undergoing a project to expand the Kemptville Drinking Water System by adding an additional well, pumphouse and elevated storage tank. The expansion is developer driven but is intended to meet the demand requirements of Kemptville's growing population.

The proposed new well will provide a maximum day flow capacity of 2000 m³ per day and additional storage reservoir capacity.

The proposed new well in Kemptville impacts the Wellhead Protection Area (WHPA) for the Village of Merrickville-Wolford's Merrickville Drinking Water System. Technical work done in 2018 and 2019 have shown that WHPA D for the Kemptville Drinking Water System is located adjacent to WHPA D for the Merrickville Water Supply, and that the same aquifer is the source for both systems. Due to this interaction, the groundwater zones for the Merrickville Water Supply were also updated.

Purpose of Amendment

Any proposed change to the Mississippi-Rideau Source Protection Plan or Assessment Report(s) is required to undergo a Section 34 Amendment under the *Clean Water Act*.

The amendment will include new updated mapping of the affected vulnerable areas in the Source Protection Plan. It will also include new chapters for the Rideau Valley and Mississippi Valley Assessment Reports with mapping and technical information.

The proposed new Wellhead Protection Area bisects the boundaries following Municipalities:

	Kemptville Drinking Water System				Merrickville Drinking Water System			
	WHPA A	WHPA B	WHPA C	WHPA D	WHPA A	WHPA B	WHPA C	WHPA D
Municipality of North Grenville	X	X	X ¹	X ²	-	-	-	-
Village of Merrickville-Wolford	-	-	-	X ²	X	X	X ¹	X ²
Township of Montague	-	-	X ¹	X ²		X	X ¹	X ²
Town of Smiths Falls	-	-			-	-	X ¹	X ²
City of Ottawa	-	-	X ¹	X ²	-	-	-	-
Township of Drummond North Elmsley	-	-	-	X ²	-	-	-	X ²
Beckwith Township	-	-	-	X ²	-	-	-	X ²

¹ Dense Non-Aqueous Phase Liquid Policies (DNAPL) are the only policies that apply in WHPA-C

² Policies do not apply in WHPA-D

A council resolution to endorse the Amendment is required by all affected Municipalities where policies apply under the legislation, prior to proceeding to public consultation and submission to the Ministry. Appendix 4 further elaborates if we require a Council Resolution from your Municipality or if this Notice is circulated for information purposes.

Purpose of this Notice

This notice is to:

1. Seek a municipal council resolution to endorse the proposed amendment (required under Section 34 of the *Clean Water Act*).
2. Provide a pre-consultation comment opportunity for municipalities, who are responsible for implementing policies prior to broader public consultation. Pursuant to Ontario Regulation 287/07, this opportunity must be provided to all bodies responsible for implementing policies in the Source Protection Plan.

Information Enclosed with this Notice

- Appendix 1: Map of the proposed North Grenville and Merrickville Wellhead Protection Area (WHPA)
- Appendix 2: A list of policies your municipality is responsible for implementing
- Appendix 3: A list of policies that will apply within the WHPA
- Appendix 4: List of Resolutions Required and Sample Council Resolution

Information to Follow

Once the proposed amendment draft is finalized it will be circulated for additional comment as required under S. 34 of the *Clean Water Act*.

We request your comments, if any, by June 24, 2021
Please copy us on the municipal council resolution by June 24, 2021

Thank you for your input, we look forward to engaging with you on this matter.

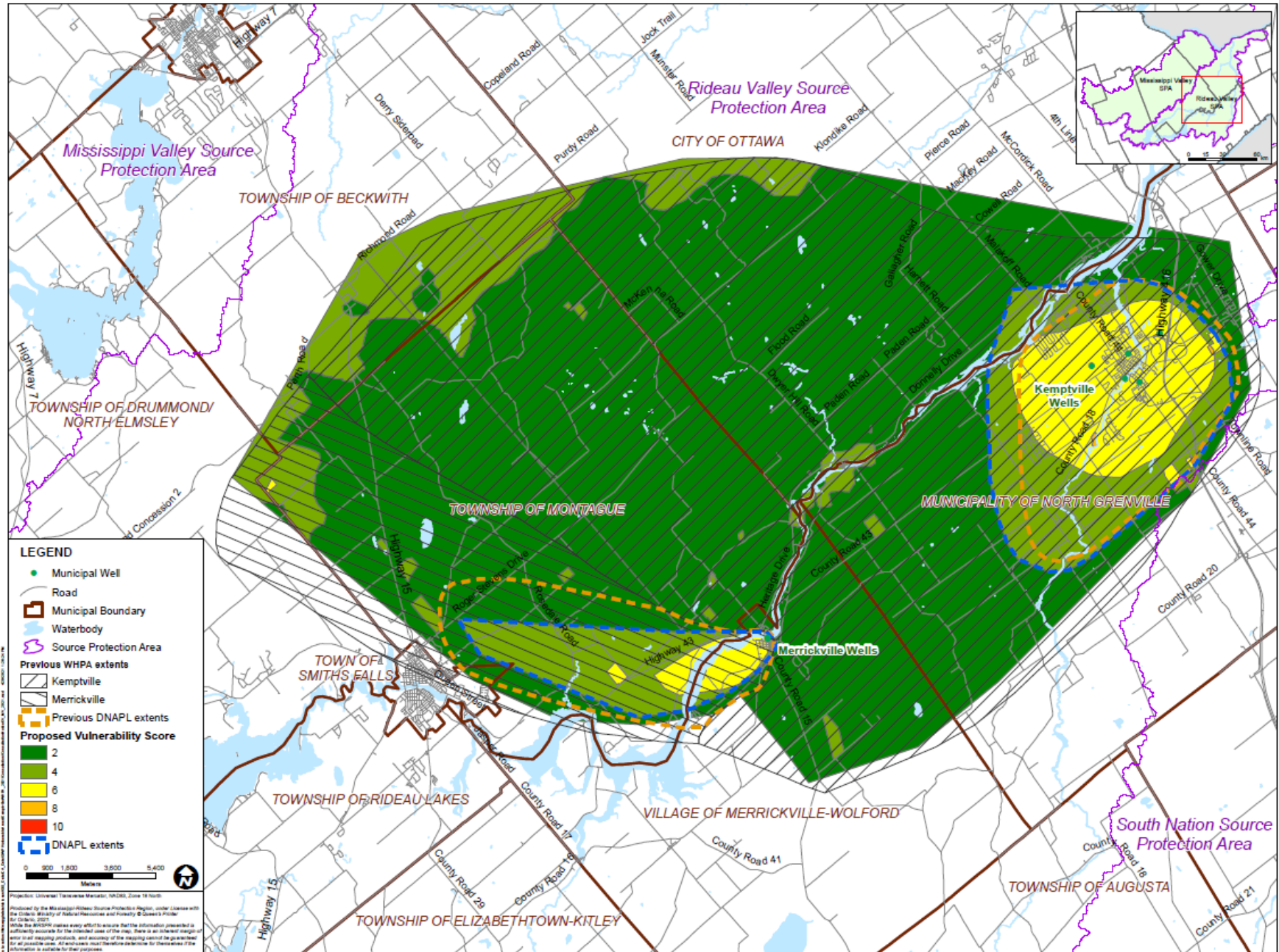
Sincerely,



Marika Livingston
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Mississippi-Rideau Source Protection Region
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(613) 692-3571 x1148

CC: Mary Wooding, Source Water Protection Liaison Officer, Ministry of the Environment, Conservation and Parks

Appendix 1: Map of the proposed North Grenville Wellhead Protection Area



Appendix 2: Policy Information

Appendix C2 – Policy Codes Summarized by Implementing Body and Compliance/Target Date							
(based on drinking water systems in the 2011 Assessment Reports)							
Implementing Body	Compliance Date for Legally Binding Policies / Target Date for Non-legally Binding Policies						Monitoring Policies
	Immediate ¹	6 months	1 year	2 years	3 years ²	5 years	
MUNICIPAL							
<i>WHPA-A scored 10 WHPA-B & WHPA-C scored less than or = 6</i>	WASTE-4-LB-S57 SEW-9-LB-PI/PA-MC SEW-11-LB-S58 SEW-12-LB-S57 SEW-15-LB-PI/PA-MC SEW-16-LB-S57 SALT-2-LB-S57 DNAPL-2-LB-S57 DNAPL-3-LB-57 FUEL-1-LB-S58 FUEL-5-LB-S57 FUEL-6-LB-S58 FERT-2-LB-S58 FERT-3-LB-S57 PEST-5-LB-S57 LIVE-2-LB-S58 ASM-2-LB-S58 NASM-3-LB-S58 DEICE-1-LB-S57 ADMIN-1-LB ADMIN-2-LB ADMIN-4-LB ADMIN-5-LB	SEW-3-LB	SEW-4-LB SEW-6-LB SALT-3-LB ³ SALT-4-LB ³ SALT-5-NLB SALT-6-NLB CORR-1-NLB PATH-1-NLB EDU-1-LB EDU-5-NLB	EDU-3-NLB	WASTE-2-LB-S58 SEW-11-LB-S58 SEW-14-LB-S58 SALT-1-LB-S58 DNAPL-1-LB-S58 DNAPL-4-LB-58 FUEL-1-LB-S58 FUEL-6-LB-S58 FERT-2-LB-S58 PEST-4-LB-S58 LIVE-2-LB-S58 ASM-2-LB-S58 NASM-3-LB-S58	ADMIN-3-LB	MON-1-LB MON-2-LB MON-3-NLB

Appendix 3: Policy Codes Summarized by Vulnerable Area and Policy Intent (all policies)

(based on appendix C1 from the approved Mississippi-Rideau Source Protection Plan)

Vulnerable Area and Vulnerability Score	Policy Code		
	Prohibit	Manage	Encourage
Wellhead Protection Area (WHPA)			
WHPA A scored 10	WASTE-3-LB-PI-MC	WASTE-1-LB-PI-MC	SALT-5-NLB
	WASTE-4-LB-S57	WASTE-2-LB-S58	SALT-6-NLB
	SEW-9-LB-PI/PA-MC	SEW-1-LB	FUEL-3-NLB
	SEW-12-LB-S57	SEW-2-LB	PEST-1-NLB
	SEW-15-LB-PI/PA-MC	SEW-3-LB	PEST-2-NLB
	SEW-16-LB-S57	SEW-4-LB	CORR-1-NLB
	SALT-2-LB-S57	SEW-5-LB-PI-MC	CORR-2-NLB
	DNAPL-2-LB-S57	SEW-6-LB	PATH-1-NLB
	DNAPL-3-LB-S57	SEW-7-LB-PI-MC	PATH-2-NLB
	FUEL-5-LB-S57	SEW-8-LB-PI-MC	PATH-3-NLB
	FERT-3-LB-S57	SEW-10-LB-PI-MC	EDU-2-NLB
	PEST-5-LB-S57	SEW-11-LB-S58	EDU-3-NLB
	DEICE-1-LB-S57	SEW-13-LB-PI-MC	EDU-5-NLB
		SEW-14-LB-S58	
		SALT-1-LB-S58	
		SALT-3-LB ¹	
		SALT-4-LB ¹	
		DNAPL-1-LB-S58	
		DNAPL-4-LB-S58	
		FUEL-1-LB-S58	
		FUEL-2-LB-PI-MC	
		FUEL-4-NLB	
		FUEL-6-LB-S58	
		FERT-1-LB-PI-MC	
		FERT-2-LB-S58 ³	
		PEST-3-LB-PI-MC	
		PEST-4-LB-S58	
		LIVE-1-LB-PI-MC	
		LIVE-2-LB-S58	
		ASM-1-LB-PI-MC	
		ASM-2-LB-S58	
		NASM-1-LB-PI-MC	
	NASM-2-LB-PI-MC		
	NASM-3-LB-S58		
	EDU-1-LB		

<p>WHPA B scored 10</p>	<p>WASTE-3-LB-PI-MC WASTE-4-LB-S57 SEW-15-LB-PI/PA-MC SEW-16-LB-S57 SALT-2-LB-S57 DNAPL-2-LB-S57 DNAPL-3-LB-S57 FUEL-5-LB-S57 FERT-3-LB-S57 PEST-5-LB-S57 DEICE-1-LB-S57</p>	<p>WASTE-1-LB-PI-MC WASTE-2-LB-S58 SEW-1-LB SEW-2-LB SEW-3-LB SEW-4-LB SEW-5-LB-PI-MC SEW-6-LB SEW-7-LB-PI-MC SEW-8-LB-PI-MC SEW-10-LB-PI-MC SEW-11-LB-S58 SEW-13-LB-PI-MC SEW-14-LB-S58 SALT-1-LB-S58 SALT-3-LB¹ SALT-4-LB¹ DNAPL-1-LB-S58 DNAPL-4-LB-S58 FUEL-1-LB-S58 FUEL-2-LB-PI-MC FUEL-4-NLB FUEL-6-LB-S58 FERT-1-LB-PI-MC FERT-2-LB-S58³ PEST-3-LB-PI-MC PEST-4-LB-S58 LIVE-1-LB-PI-MC LIVE-2-LB-S58 ASM-1-LB-PI-MC ASM-2-LB-S58 NASM-1-LB-PI-MC NASM-2-LB-PI-MC NASM-3-LB-S58 EDU-1-LB</p>	<p>SALT-5-NLB SALT-6-NLB FUEL-3-NLB PEST-1-NLB PEST-2-NLB CORR-1-NLB CORR-2-NLB PATH-1-NLB PATH-2-NLB PATH-3-NLB EDU-2-NLB EDU-3-NLB EDU-5-NLB</p>
<p>WHPA B scored 8</p>	<p>WASTE-3-LB-PI-MC WASTE-4-LB-S57 SEW-15-LB-PI/PA-MC SEW-16-LB-S57 DNAPL-2-LB-S57 DNAPL-3-LB-S57</p>	<p>WASTE-1-LB-PI-MC WASTE-2-LB-S58 SEW-13-LB-PI-MC SEW-14-LB-S58 DNAPL-1-LB-S58 DNAPL-4-LB-S58</p>	<p>CORR-1-NLB CORR-2-NLB PATH-1-NLB PATH-2-NLB PATH-3-NLB EDU-3-NLB EDU-5-NLB</p>

WHPA C scored 8	WASTE-3-LB-PI-MC WASTE-4-LB-S57 SEW-15-LB-PI/PA-MC SEW-16-LB-S57 DNAPL-2-LB-S57	WASTE-1-LB-PI-MC WASTE-2-LB-S58 SEW-13-LB-PI-MC SEW-14-LB-S58 DNAPL-1-LB-S58 DNAPL-4-LB-S58	CORR-1-NLB CORR-2-NLB PATH-1-NLB PATH-2-NLB PATH-3-NLB EDU-3-NLB EDU-5-NLB
WHPA C any score	DNAPL-2-LB-S57 DNAPL-3-LB-S57	DNAPL-1-LB-S58 DNAPL-4-LB-S58	No policies
Highly Vulnerable Aquifer (HVA)			
HVA	No policies apply	WASTE-5-LB-PI-HR	WASTE-6-NLB SALT-5-NLB SALT-6-NLB EDU-6-NLB

Administrative and monitoring polices are not included

¹Policy applies in Carleton Place, Perth, Smiths Falls, and Kemptville

²Policy does not apply in an IPZ scored 8

³Commercial fertilizer **application** is only subject to this policy if it occurs in the Munster WHPA scored 10

Appendix 4: List of Resolutions Required and Sample Council Resolution

Municipality	Council Resolution Required
Township of Montague	X
Town of Smith Falls	X
Village of Merrickville-Wolford	X
Municipality of North Grenville	X
City of Ottawa	X

That the Council of the _____ endorses the proposed amendment under Section 34 of the *Clean Water Act* to revise the Mississippi-Rideau Source Protection Plan to add a new municipal well system for the Municipality of North Grenville into the Mississippi-Rideau Source Protection Plan and Assessment Reports.”