

Table of Contents

Summary of Amendments

User's Guide

Structure of the Plan	i
How to Use the Plan	i
Policy Codes	i
List of Acronyms	ii

1.0 Background *Explaining Source Protection in Ontario* 1

1.1 Importance of Source Water Protection.....	2
1.2 Ontario's <i>Clean Water Act</i>	3
1.3 Source Protection Areas and Regions.....	3
1.4 Source Protection Authorities	4
1.5 Source Protection Committee.....	4
1.6 Source Protection Process	5

2.0 Policy Development *Creating a Local Plan* 7

2.1 Drinking Water Threats.....	8
2.2 Drinking Water Sources and Vulnerable Areas	9
2.3 Plan Objectives	11
2.4 Policy Tools	12
2.5 Legal Effect.....	14
2.6 Policy Development Process	14
2.7 Explanatory Document	17
2.8 Future Considerations	18

3.0 Policies That Address Specific Threats *Ensuring Source Protection* 21

3.1 Waste Disposal Sites.....	24
3.2 Sewage Works.....	27
3.3 Road Salt and Storage of Snow	39
3.4 Dense Non-aqueous Phase Liquids (DNAPLs) and Organic Solvents	43
3.5 Fuel.....	45
3.6 Commercial Fertilizer.....	51
3.7 Pesticide	53
3.8 Outdoor Livestock Areas	56
3.9 Agricultural Source Material (ASM)	58
3.10 Non-agricultural Source Material (NASM)	60
3.11 Aquaculture.....	63
3.12 Aircraft De-icing	64
3.13 Transportation Corridors.....	66
3.14 Transport Pathways.....	68
3.15 Administrative Policies.....	70

4.0 Policies For Education and Outreach *Encouraging Source Protection* 75

4.1 Living and Working in the Drinking Water Zone	76
4.2 Travelling Through the Drinking Water Zone.....	78
4.3 Protecting Regional Groundwater.....	80

5.0 Policies That Monitor Implementation	<i>Evaluating Source Protection</i>	81
5.1 Monitoring Policy Implementation.....		82
5.2 Monitoring Changing Circumstances.....		88
6.0 Implementing The Plan	<i>Achieving Source Protection</i>	91
6.1 Responsibilities.....		92
6.2 Partnerships and Collaboration		93
6.3 Timelines		94
6.4 Annual Progress Report		94
6.5 Updating the Plan		94
6.6.Provincial Funding for Implementation.....		95

Glossary

Figures

- 1 Eastern Ontario Source Protection Areas/Regions
- 2 Mississippi-Rideau Source Protection Region: Municipal Drinking Water Systems

Schedules *(Based on 2011 Assessment Reports)*

- A Almonte Wellhead Protection Area
- B Carp Wellhead Protection Area
- C Kemptville Wellhead Protection Area
- D Merrickville Wellhead Protection Area
- E Munster Wellhead Protection Area
- F Richmond Wellhead Protection Areas
- G Westport Wellhead Protection Area
- H Carleton Place Intake Protection Zone
- I Ottawa Intake Protection Zones
- J Perth Intake Protection Zone
- K Smiths Falls Intake Protection Zone
- L Highly Vulnerable Aquifers
- M Significant Groundwater Recharge Areas

Appendices

- A Legal Effect Provisions
- B Drinking Water Threat Circumstances

Policy Code Summaries:

- C1 Policy Codes Summarized by Vulnerable Area and Policy Intent
- C2 Policy Codes Summarized by Implementing Body and Compliance Date

Maps Showing Where Activities Can Be Considered a Significant Threat in Each Municipality:

- D1 Mississippi-Rideau Source Protection Region
- D2 Township of Beckwith
- D3 Town of Carleton Place
- D4 Township of Drummond/North Elmsley
- D5 County of Lanark
- D6 United Counties of Leeds & Grenville
- D7 Village of Merrickville-Wolford
- D8 Town of Mississippi Mills
- D9 Township of Montague
- D10 Municipality of North Grenville
- D11 City of Ottawa

- D12 Town of Perth
- D13 Township of Rideau Lakes
- D14 Town of Smiths Falls
- D15 Township of Tay Valley
- D16 Village of Westport
- E A Summary of Consultation Activities
- F Source Protection Committee Biographies