

Source Protection Policy Implementation Update Report to Municipalities “2022 Calendar Year” (January 1, 2022 – December 31, 2022)

To: City of North Bay
Attention: Beverley Hillier, Manager, Planning & Building Services
Date: March 17, 2023
From: David Ellingwood, Supervisor, Source Water Protection, NBMCA
Subject: Status of Source Protection Policies within the City of North Bay

The following report is being provided to support your municipality in meeting your obligations under the Clean Water Act (2006) to report your progress in implementing policies in the North Bay-Mattawa Source Protection Plan.

Please review the information below. If you concur with the opinion of source protection program staff that your municipality has implemented all applicable policies in the local Source Protection Plan, then please sign this report and return a copy to the NBMCA office.

1.0 Introduction

The Source Protection Plan for the North Bay-Mattawa Source Protection Area (NBMSPA) was approved by the Ministry of the Environment, Conservation and Parks (MECP) on March 5, 2015, and came into effect on July 1, 2015. Implementing bodies, such as the City of North Bay, are required to report to the Source Protection Authority on their progress implementing policies for which they are responsible. The Source Protection Annual Report process for the 2022 calendar year (ending December 31, 2022) follows the same pattern and requirements as the previous years.

In fulfillment of the annual reporting requirements, this Implementation Update Report has been prepared by the North Bay-Mattawa Conservation Authority (NBMCA) for the City of North Bay to detail the status of source protection policies applicable to your area. Please refer to Section 2 below. Since all applicable policies had been marked as “implemented” in previous years’ reports, it is assumed that the status has not changed for this 2022 version.

For your reference, Appendix A contains a table with the Source Protection Plan policies applicable within the City of North Bay where implementation is the responsibility of an agency other than the municipality. Policies are grouped based on the implementing agency. A brief summary of the implementation activities is also provided.

2.0 City of North Bay Policy Implementation

2.1 Land Use Planning Policies

The City of North Bay has completed amendments to Zoning Bylaws and/or Official Plans as required to implement the relevant Land Use Planning (LUP) policies in the SPP.

2.2 Education and Outreach Policies

The Source Protection Plan contains several Education and Outreach (E&O) policies, such as those related to the Issue Contributing Area (ICA1). The NBMCA has assisted all municipalities in the implementation of their E&O policies by creating an education webpage on the

act for clean water website, which covers the implementation of all E&O policies in the NBMSPA (<http://www.actforcleanwater.ca/are-you-affected/protect-from-threats/>). The City of North Bay has included a link to this page from the municipal website.

2.3 Specified Action Policies

The City of North Bay has completed the implementation of all Specified Action (SA) policies as required to address significant threats through the adoption of by-laws and amending emergency response plans to help ensure that responders are aware of the enhanced vulnerability of some areas.

It should be noted that full implementation of Policy **SMF1** ("Municipal Action to Prohibit Land Application of Nutrients) presented some challenges. Therefore, an education and outreach approach was used by making information available to the public on www.actforcleanwater.ca. SMF1 requires the prohibition, by the municipality, of the application of agricultural source material (ASM), non-agricultural source material (NASM), and commercial fertilizer, where such application could be a significant threat to drinking water.

Table 1. Implementation Progress by City of North Bay

CITY OF NORTH BAY SP PLAN IMPLEMENTATION PROGRESS (2022) Policies of Municipal Responsibility

Policy	Policy Title	Tool	Status	Details
ICA1	Education - Issue Contributing Area	E&O	IM	Implementation ongoing - Education & Outreach materials available and information posted on website; Restore Your Shore webpage also provides education
ICA3	Governing Research in the Issue Contributing Area	SA	IM	Implementation ongoing - Research being undertaken by municipalities and local partners.
SMF1	Municipal Action to Prohibit Land Application of Nutrients	SA	IM	Not Implemented - Council directed Staff to establish by-law (RTC CSBU 2015-25) but the policy remains outstanding pending discussions with the SPC regarding the most appropriate approach to implementation.
SMF2	Land Use Prohibition – Nutrient Handling & Storage and Livestock Activity	LUP	IM	Implemented - Amendments to official plan and/or zoning by-law complete
SVA1	Signage of Vulnerable Areas	SA	IM	Signs were installed on June 3, 2016 by the City's Public Works (RTC CSBU 2015-16).
THS1	Awareness of Vulnerable Areas and Response to Spills of Hazardous Substances	SA	IM	The Community Emergency Plan has been updated with respect to Source Protection.
WDS2	Land Use Prohibition of Waste Disposal Sites	LUP	IM	Implemented - Amendments to official plan and/or zoning by-law complete

LUP = Land Use Planning

SA = Specified Action

E&O = Education & Outreach

IM = Implemented

IP = In Progress / Some Progress Made

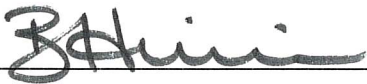
3.0 CONCLUSION

We trust the above reflects the most up-to-date understanding of Source Protection Policy Implementation within the City of North Bay. Please note that the North Bay-Mattawa Source Protection Authority has commenced a review and update of the Source Protection Plan. We will be looking for municipal input on the effectiveness of source protection policies and comments on any proposals to amend these policies.

If you have any questions, please contact David Ellingwood, Supervisor, Source Water Protection by cell 705-471-6338 or office phone at (705) 474-5420 x 2018 or by email at david.ellingwood@nbmca.ca.

Please sign below as a representative of the City of North Bay and return to david.ellingwood@nbmca.ca.

I concur that the information in Section 2 of this report is a fair representation of the Source Protection policy implementation activities of the City of North Bay during 2022.



Beverley Hillier, Manager, Planning & Building Services
City of North Bay

APPENDIX A:

MINISTRY/AGENCY POLICY IMPLEMENTATION

The following is a brief summary of implementation of Source Protection Plan policies undertaken by other agencies up to the end of 2022.

3.1 Prescribed Instrument Policies

The Ontario Ministries of the Environment, Conservation and Parks (MECP), of Agriculture, Food and Rural Affairs (OMAFRA), of Natural Resources and Forestry (MNRF), and of Transportation (MTO) have submitted their 2022 Prescribed Instrument (PI) Reporting Forms, which detail their implementation of relevant policies for the 2022 calendar year.

MECP The MECP has Standard Operating Procedures (SOPs) for the issuance of Environmental Compliance Approvals (ECAs), Pesticide Permits, and Permits to Take Water (PTTWs). Within the NBMSPA, the MECP administers policies **SEW1**, **SEW2**, and **WDS1** under the *Environmental Protection Act* and *Ontario Water Resources Act*. One Wastewater/Sewage Works ECA application was screened in as requiring a detailed review.

3.2 Specified Action Policies

The MECP, MNRF, MTO, and TSSA have submitted their 2022 Non-Prescribed Instrument Reporting Forms, which detail their implementation of Specified Action policies for the 2022 calendar year.

MECP The MECP has integrated source protection information into the ministry's spills response program, and appropriate updates have been made to implement policies **THS1** and **THS2** within the NBMSPA. Any spill reported to the MECP is screened to determine if it is located within a vulnerable area, and any affected municipalities, agencies, and authorities will be promptly notified so drinking water system operators can take appropriate action.

MTO The MTO confirmed the implementation of policy **SVA1** within the NBMSPA with the installation of 3 signs along provincial highways within vulnerable areas: Highway 11 southbound 400m north of Clark St.; Highway 11 northbound 320m north of Clark St.; and Highway 63 westbound 200m east of Anita Ave.

SPA / NBMCA The North Bay-Mattawa Conservation Authority acts on behalf of the North Bay-Mattawa Source Protection Authority to implement source protection policies within the NBMSPA. The NBMCA has implemented policies **ICA1**, **ICA3** and **ICA4** by creating and managing the Restore-Your-Shore shoreline restoration webpage and by undertaking research and monitoring of the microcystin issue (related to phosphorus) within the Callander Bay issue contributing area. Also, the NBMCA has also implemented policy **SEW3** within the NBMSPA by delivering the mandatory maintenance inspection program since 2011.

Table 2. Implementation Progress by Ministries/Agencies

**MINISTRY/AGENCY SP PLAN IMPLEMENTATION PROGRESS (2022)
Policies of Municipal/Agency Responsibility**

Policy	Policy Title	Tool	Status	Details
MECP				
SEW1	Prescribed Instruments for Prohibition of New Sewage Works and Review of Existing Sewage Works of Certain types	PI	IM	Existing Prescribed Instruments were identified and reviewed. All new applications are being screened.
SEW2	Prescribed Instruments for Management of Sewage Works of Certain Types	PI	IM	Existing Prescribed Instruments were identified and reviewed. All new applications are being screened.
THS2	Awareness of Vulnerable Areas and Response to Spills of Hazardous Substances - MOD/LOW	SA	IM	The MECP's spills response program will continue to integrate source protection in vulnerable areas.
WDS1	Prohibition and Management of Waste Disposal Sites under Part V of the EPA	PI	IM	Existing Prescribed Instruments were identified and reviewed. All new applications are being screened.
MTO				
SVA1	Signage of Vulnerable Areas	SA	IM	Signs installed along provincial highways within vulnerable areas (Hwy 11 Southbound & Northbound near Powassan; Highway 63 westbound near Anita Ave in North Bay).
NBMCA				
ICA3	Governing Research in the Issue Contributing Area	SA	IM	Research is ongoing.
ICA4	Monitor Issue in Callander ICA related to Microcystin LR	SA	IM	Monitoring is ongoing; program to be reviewed and adjusted based on research and findings.
SEW3	Recognize the Ontario Building Code Mandatory Maintenance Inspection Program	SA	IM	The Mandatory Maintenance Inspection program has been in place since 2011 and was reviewed in 2016.

PI = Prescribed Instrument

SA = Specified Action

IM = Implemented

IP = In Progress / Some Progress Made