

Appendix A – Report to Council CSBU 2023-049

The following table outlines the policies where the City of North Bay is required to implement the policies.

Policy Code	Policy Title	Vulnerable Area	Summary of Changes	Implementation	Staff Response
ICA1	Education: Issue Contributing Area	Callander ICA	enhanced description of expected components of education and outreach program	UNCHANGED: Continue to make education & outreach materials available via links or information posted on website	No objection or concern. The education and outreach materials are also available on the City's website.
SMF2	Land Use Prohibition: Nutrient Handling & Storage and Livestock Activity	North Bay IPZ 1, IPZ 2	minor wording change, but same action required	IMPLEMENTED: Amendments to Official Plan (OPA#12 By-Law 2015-81) complete. Zoning By-law Amendment deemed not necessary.	No objection or concerns. The wording changes are minor in nature and do not impact the implementation that has already been completed.
SMF3	Education: Application of ASM and Livestock Grazing Activity	North Bay IPZ-1, IPZ-2 Callander ICA	NEW POLICY: education and outreach program used to address "application of agricultural source material" and "grazing of livestock"	NEW: Make education & outreach materials available via links or information posted on website.	No objection or concern. The implication of this policy is very minor. The lands within the North Bay IPZ-1 and the North Bay portion of the Callander ICA do not include Agricultural uses. Staff notes that the draft policy document provided by the NBMCA does not include North Bay IPZ-2. The intent of this policy is to <i>"To provide information on the implications of the improper application of agricultural source material or the grazing of livestock in certain vulnerable areas."</i>

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					This policy applies to multiple municipalities within the Source Protection Area. Staff propose that this Education and Outreach (E&O) be implemented in the same manner as previous E&O for the Callander Issue Contributing area.
SVA1	Signage for Vulnerable Areas	North Bay IPZ-1, IPZ-2	minor wording change, but same action required	IMPLEMENTED: Signs installed on June 3, 2016 by the City's Public Works (RTC CSBU 201516). Repair or replace signs as needed.	No objection or concerns.
THS2	Awareness of Vulnerable Areas and Response to Spills of Hazardous Substances – MOD/LOW	North Bay IPZ-1	no changes	IMPLEMENTED: The City of North Bay's Community Emergency Plan has been updated with respect to Source Protection.	No objection or concerns.
TPW1	Provide Notice of Transport Pathway	North Bay IPZ-1, IPZ-2, IPZ-3, Callander ICA	NEW POLICY: recognizes requirement under O. Reg. 287/07, s. 27 whereby municipalities are to provide notice should	NEW: Annually provide summary of projects with a transport pathway, if applicable	No objection or concerns. The requirement to notify is an existing obligation. This will now form part of the required annual reporting. The Clean Water Act defines transport pathways as " <i>a condition of land resulting from human activity that increases the</i>

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			<p>the municipality become aware of a proposal to establish or modify a transport pathway</p>		<p><i>vulnerability of a raw water supply of a drinking water system,</i>” The intent of this legislation is to address artificial (or “constructed”) transport pathways, such as storm sewers, ditches and improperly constructed or abandoned wells.</p> <p>According to O.Reg. 287/07, s. 27(3), if a municipality receives a development application or other application related to a project where the proponent proposes to engage in an activity that could create a new or modify an existing, transport pathway in an IPZ, the municipality must provide notice of the proposal to the Source Protection Committee and Source Protection Authority.</p>
WDS2	Land Use Prohibition: Waste Disposal Sites	North Bay IPZ-1, Callander ICA	minor wording change, but same action required	IMPLEMENTED: Amendments to Official Plan (OPA#12 By-Law 2015-81) complete. Zoning By-law BA deemed not necessary.	No objection or concerns.

Additional Notable Updates:

PIP. Liquid Hydrocarbon Pipeline:

A new suite of policies to address pipelines, which were added as a prescribed threat in the Clean Water Act. The policies address the design, operation, maintenance and safety procedures if a new or repurposed liquid hydrocarbon pipeline is established in the future. Regulatory bodies and pipeline operators should follow appropriate design standards and consider drinking water vulnerable areas in emergency preparedness plans.

Six (6) new policies have been added to the Source Protection Plan that relate to Liquid Hydrocarbon Pipeline. These policies include Pipeline Design and Operating Practices, Pipeline Operation, Pipeline Emergency Planning Information, Pipeline Emergency Preparedness Plan, Education: Liquid Hydrocarbon Pipeline and Mapping for Pipeline Emergency Planning.

The policies are required to be implemented by the owners of the pipeline, appropriate regulators and ministries and are required to be monitored by the Source Protection Authority.

Staff have no objections to the addition of these policies to the Source Protection Plan.

Revised Vulnerable Area Mapping:

Chapter 4 of Assessment Report (Callander drinking water system)

Mapping has been revised for the Callander Intake Protection Zone and the associated Issue Contributing Area. Updated base layers for water features have been used, which has resulted in a 15% increase in the number of hectares within these two vulnerable areas.

Only a very small area of the Callander ICA is located in North Bay. Staff will confirm with the Source Protection Authority, which additional properties, if any, are now located within the ICA in North Bay.

Chapter 6 of Assessment Report

Mapping has been revised for the North Bay Intake Protection Zone. Updated base layers for water features have been used, which has resulted in a 28% increase in the number of hectares within these two vulnerable areas. There was no change to the vulnerability score values.

Given the vulnerability score associated with the intake protection zones did not change, the impact of this mapping change is minor. If the updated Assessment Report and Source Protection Plan are approved by the Ministry of Environment the City will need to update the associated mapping in the Official Plan. This can be completed during the Official Plan Review process.