

Source Water Protection for your Nutrient Management Plan

This template will help ensure your Nutrient Management Plan (NMP) includes appropriate measures to protect source water when it is required by the *Clean Water Act, 2006*. A NMP is identified as a prescribed instrument under the *Clean Water Act, 2006*.

Under the Clean Water Act, the issuer or preparer of a prescribed instrument is responsible for ensuring it conforms to Source Protection Plan policies and is protective of drinking water. Since a NMP is not approved or issued by OMAFRA, it is the responsibility of the NMP preparer to ensure source water protection policies are met. The information included in this document will help you meet that requirement.

The agricultural activities in a NMP subject to source water protection policies (for significant drinking water threats) are:

- The application of ASM to land.
- The application of commercial fertilizer to land.

Use the table on the next page to identify the site-specific information related to farms impacted by a vulnerable area where the application of ASM or commercial fertilizer to land could be a significant drinking water threat. Include measures needed to ensure those threats are managed.

There is not a strict list of measures required to address threat activities managed in a NMP. However, some local source protection policies may specify content and measures that must be included. It is very important to consult the applicable source protection policy when considering what measures to incorporate. There are several questions that can be asked to determine if an activity requires management, including:

- What are the field characteristics of the portion(s) of the field in the vulnerable area (i.e. soil type, depth to ground water, depth to bedrock, presence of bedrock outcrops, etc.)?
- What are the field management practices (i.e. pre-tilling, surface application versus injection/incorporation)?
- Are the management practices appropriate for the type of vulnerable area (i.e. surface water systems versus groundwater systems)?
- Are there best management practices that can be used to protect drinking water?

The [OFEC Farm Source Water Protection workbook](#) is a great starting point for determining measures. Review the applicable sheets before finalizing the template and wording from the workbook can be used in the template. Complete and include the **OFEC Farm Source Water Appendix C – Farm Assessment Table** template for the applicable threats identified in the template (starting on page 106 for WHPA or 110 for IPZ). Please note that if the standard or practice only meets Level 1 standards, additional measures will need to be proposed and implemented. For standards or practices that reference design criteria, proof should be provided that the storage does meet the referenced criteria (i.e. confirmation from an engineer).

Please include the following template with Nutrient Management Plans where there are significant drinking water threats related to the land application of ASM or commercial fertilizer. If multiple farms are impacted by SWP, a table should be completed for each farm.

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Property Information

Roll number: _____ Farm Name: _____

Source Protection Authority: _____ Applicable policy number: _____

Source Water Protection Information

Vulnerable Area

- Wellhead Protection Area (WHPA) Intake Protection Zone (IPZ)
 Issues Contributing Area (ICA) (E. coli, nitrogen, phosphorus)

Highest vulnerability score or issue from ICA: _____

Threats

Please check the **significant drinking water threat (SDWT) activities** that apply or confirm that they do not currently exist:

Activity	Yes, exists and a SDWT	Does not exist	Yes, but not a SDWT
Application of ASM to land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Application of commercial fertilizer to land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Threat Management

Step 1: Complete OFEC Farm Source Water Appendix C template

Before completing this section, refer to the local source protection policies and complete the [OFEC Farm Source Water Appendix C template– SWP Farm Assessment Table](#) (starting on page 106 or 110) for the applicable threats. Complete an Appendix C template – Farm Assessment Table for each land application of ASM or commercial fertilizer.

Step 2: Complete the table

For all practices identified as **Level 1**, you **must** explain what measures will be taken to mitigate the threat to drinking water in the table below.

You **must include proof** with the submission for Level 2 or 3 practices that reference specific criteria. Briefly state in the table below what proof you have included.

For each threat activity identified above, specify any **prohibitions or management measures** needed to address the risk.

Threat Activity	Prohibition/Management Measure	Rationale	Timeline for Implementation

Please include a map showing the field locations in relation to the vulnerable areas, OFEC workbook sheets and any supporting documentation.