

Source Water Protection for your Nutrient Management Strategy

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

Under the Clean Water Act, OMAFRA is responsible for ensuring prescribed instruments approved by the Director conform to Source Protection Plan policies and are protective of drinking water. The information included in this document will help the Director meet that requirement.

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

- The storage of agricultural source material (ASM).
- The use of an outdoor confinement area or a farm-animal yard.

Note: Both existing and future ASM storage can be a threat and may be subject to source protection plan policies. The Director must ensure threats related to current and future storages are managed.

Use the table on the next page to identify the site-specific information related to farms impacted by a vulnerable area if the storage or management of ASM or the use of an OCA or livestock yard 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 NMS. 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 extra management, including:

- Were storages built under the Nutrient Management Regulation engineered? If so, is there proof of engineering that can be provided?
- Do storages built prior to the Nutrient Management Regulation meet the requirements of the Regulation? Has storage integrity been assessed (i.e. engineering assessment)?
- Is there adequate secondary containment for liquid storages?
- Is the runoff management option for storages or outdoor confinement areas/livestock yards appropriate for the vulnerable area, or is there a better alternative?

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 and OFEC workbook sheets with Nutrient Management Strategies submitted for approval where there are significant drinking water threats related to the storage of ASM (permanent or temporary), or the use of an OCA or livestock yard. If multiple farms are impacted by SWP, please complete a template 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 |
|--|--------------------------|--------------------------|--------------------------|
| Permanent storage of ASM | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Temporary field storage of ASM (TFS) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Use of an outdoor confinement area (OCA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Use of a livestock yard | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

SWP for your Nutrient Management Strategy Template: Page 2

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 storage/OCA/Yard.

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.

| Storage/OCA/Yard (name used in Agrisuite) | Prohibition/Management Measure | Rationale | Timeline for implementation |
|--|--------------------------------|-----------|-----------------------------|
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Please provide a map showing the location of storages, OCAs/yards in relation to the vulnerable areas. Provide the completed OFEC workbook sheets and any supporting documentation (i.e. engineer’s letter).