

# Source Water Protection for your NASM Plan

This template will help ensure your NASM Plan includes appropriate measures to protect source water when it is required by the *Clean Water Act, 2006*. A NASM Plan 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. The information included in this document will help the Director meet that requirement.

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

- The application of NASM to land.
- The handling and storage (permanent or temporary) of NASM.
- The application of commercial fertilizer to land.
- The application of ASM 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 storage of NASM, or the land application of NASM, ASM or commercial fertilizer could be a significant drinking water threat. Include measures needed to ensure those threats are managed.

There is no strict list of measures required to address threat activities managed in a NASM plan. 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 when determining if an activity requires management measures, 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 ensure drinking water is protected?

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 NASM Plans submitted for approval where there are significant drinking water threats related to the storage of NASM, or land application of NASM or commercial fertilizer. If multiple farms are impacted by SWP, please complete a template for each farm.**

# SWP for your NASM Plan Template: Page 1

## 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 NASM to land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage of NASM (permanent or temporary)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Application of commercial fertilizer to land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Application of ASM to land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# SWP for your NASM Plan 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 (storage and management/handling of NASM or land application of NASM or commercial fertilizer). Complete an Appendix C template – Farm Assessment Table for each storage or NASM application area identified above. The Farm Assessment Table only references Category 1 NASM – however, use the table below for Category 2 and 3 NASM as well.

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.

If more than one storage was identified, please list the management measures for each storage separately.

NASM Storage (permanent or temporary) / Other threat activities	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.