

# HOW TO READ VOLUME II OF THE SOURCE PROTECTION PLAN

## Introduction

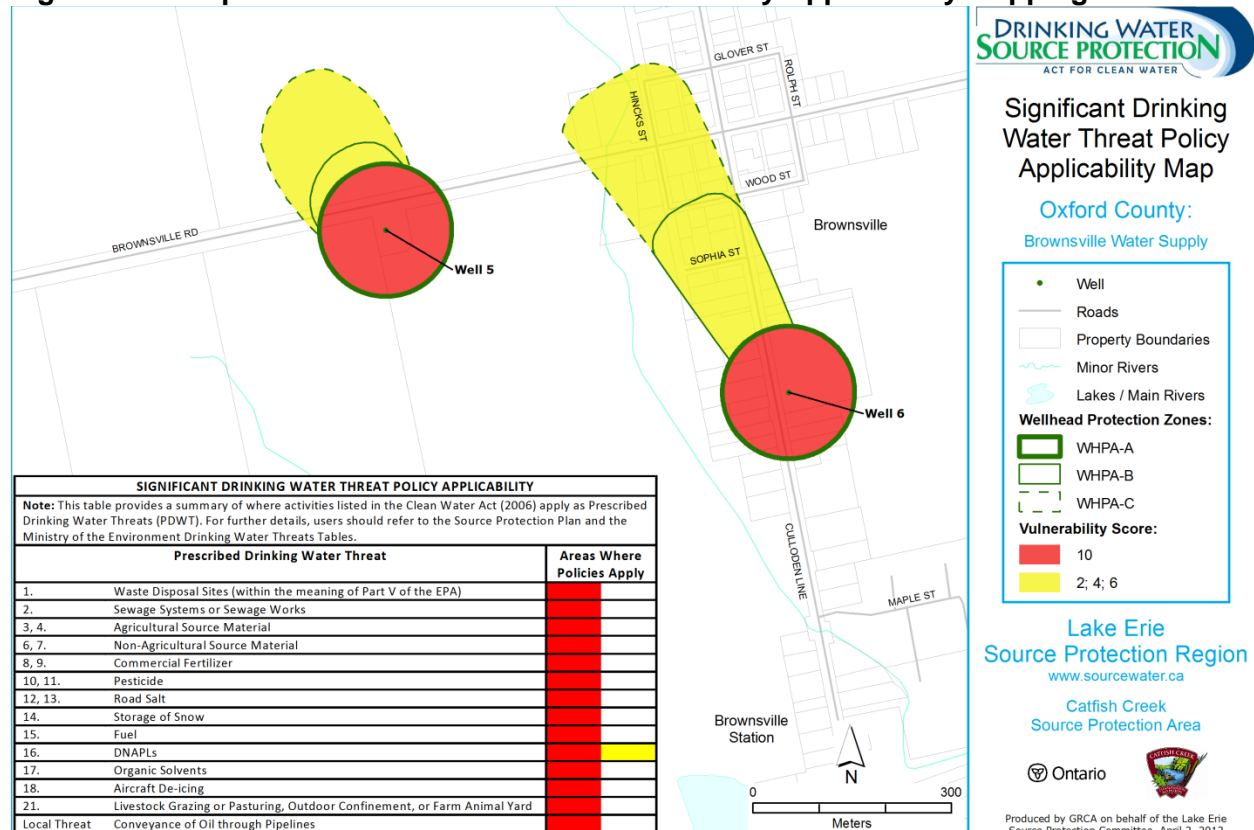
The Source Protection Plan contains the Source Protection Plan policies that have been developed to meet the objectives of the [Clean Water Act](#). The following is a guide to how to read Volume II to determine if a property is or would be subject to the presented Source Protection Plan policies. The beginning sections of Volume II present information required to understand the policies contained in each municipal section. Each municipal section will outline the intakes to which the policies will apply and any specific definitions needed to interpret the Source Protection Plan policies.

## Step One (1)

The first step to determine if the property is subject to a Source Protection Plan policy is to determine if the property is located within an area where a policy applies as shown on the Policy Applicability Map (**Figure 1**). The Policy Applicability Mapping presents a summary of the prescribed drinking water threats and the location where policies will apply based on the [Tables of Drinking Water Threats](#), published under the *Clean Water Act*. Once located, the user should have the following information:

- Prescribed Drinking Water Threats that would potentially apply to the property.
- The vulnerability score (how vulnerable the area is to contaminants).
- The wellhead protection area and/or intake protection zone where the property is location.

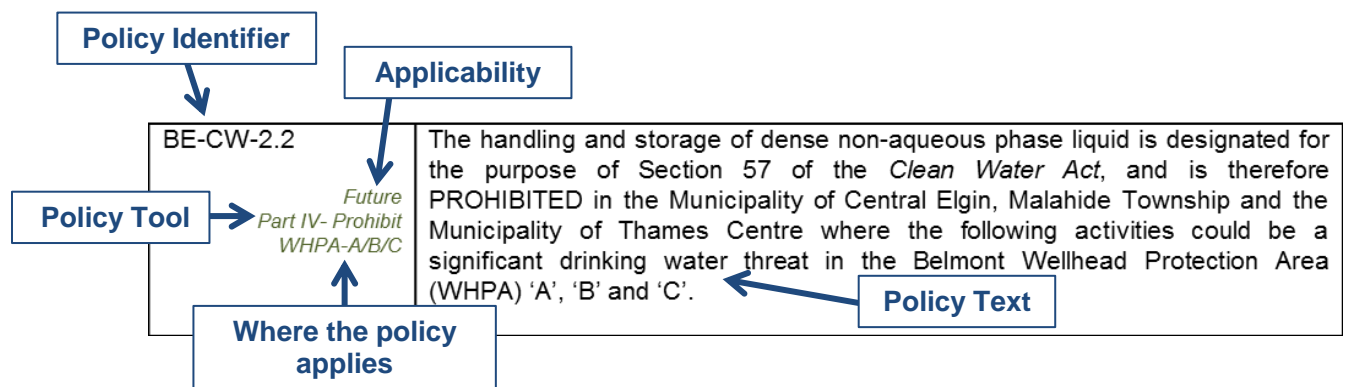
**Figure 1: Example of the Source Protection Plan Policy Applicability Mapping**



## Step Two (2)

With these three pieces of information, the reader should then consult the applicable policies listed under the prescribed drinking water threats section of the Source Protection Plan Volume II. A review of the policies aided by the sidebar notes should indicate which policy would apply to that property based on the activities being conducted. An example of a Source Protection Plan Policy is provided in **Figure 2**. Further information can be found in Volume II of the Source Protection Plan.

**Figure 2: Example of a Source Protection Plan Policy**



### Step Three (3)

The reader should next consult the Drinking Water Quality Threats Assessment section within the relevant Municipal section of the Assessment Report to locate the Identification of Drinking Water Threats in the (specific wellhead protection table or intake protection zone) Table. An example is provided in **Figure 3**. This Provincial Table Reference Code provided in this table (e.g. 12(PW10S)) leads the reader to one of 76 [Provincial Tables of Circumstances](#). The Provincial Table of Circumstances lists the applicable Circumstance ID numbers with which the reader can more easily find the relevant circumstances in the Table of Drinking Water Threats and, therefore, the exact detailed information about the circumstances that would make the activity a drinking water threat.

**Figure 3: Example of the Identification of Drinking Water Threats Tables**

| <b>Table 7-21: Identification of Drinking Water Quality Threats in the Drayton and Moorefield Wellhead Protection Areas</b> |                 |                     |   |           |           |
|---|-----------------|---------------------|---|-----------|-----------|
| Threat Type   | Vulnerable Area | Vulnerability Score | Threat Classification and Provincial Table Reference Code |           |           |
|   |                 |                     | Significant   | Moderate  | Low       |
| Chemical  | WHPA-A          | 10                  | 01(CW10S)<br>Oil pipeline                                 | 03(CW10M) | 06(CW10L) |
|   | WHPA-B          | 6                   | -   | 05(CW6M)  | 08(CW6L)  |
|   | WHPA-C          | 2                   | -   | -         | -         |
|   | WHPA-D          | 2                   | -   | -         | -         |
| Dense Non-Aqueous Phase Liquids (DNAPLs)  | WHPA-A          | 10                  | 09(DWAS)  | -         | -         |
|   | WHPA-B          | 6                   | 09(DWAS)  | -         | -         |
|   | WHPA-C          | 2                   | 09(DWAS)  | -         | -         |
|   | WHPA-D          | 2                   | -   | -         | -         |
| Pathogens   | WHPA-A          | 10                  | 12(PW10S)   | 13(PW10S) | -         |
|   | WHPA-B          | 6                   | -   | -         | 16(PW6L)  |
|   | WHPA-C          | 2                   | -   | -         | -         |
|   | WHPA-D          | 2                   | -   | -         | -         |

A summary to where activities are drinking water threats is also presented in the Assessment Report in a tabular format. The table, located within each municipal section, is found under the Drinking Water Quality Threats Assessment Section of the Assessment Report. An Example is provided below in **Figure 4**. The table includes of list of the Circumstance ID numbers for the circumstances under which activities are or will be significant drinking water threats. These Circumstance ID numbers will further assist the reader in locating the applicable circumstances in the Tables of Drinking Water Threats.

**Figure 4: Example of Significant Drinking Water Threats Enumeration Table**

| Table 7-23: Significant Drinking Water Threats in the Moorefield Wellhead Protection Areas   |  |   |                 |                         |
|--|--|---|-----------------|-------------------------|
| Land Use / Activity  | Prescribed Drinking Water Threat   | Reference Number <sup>1</sup> (Number of Occurrences)                           | Vulnerable Area | Reg Ref No <sup>2</sup> |
| Agricultural   | The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the <i>Environmental Protection Act</i> . | 100(1)  | WHPA-A          | 1                       |
| Agricultural   | The application of agricultural source material to land.   | 1944(2)   | WHPA-A          | 3                       |
| Agricultural   | The application of non-agricultural source material to land.   | 1971(2)   | WHPA-A          | 6                       |
| Agricultural   | The handling and storage of commercial fertilizer.   | 1287(1)   | WHPA-A          | 9                       |
| Agricultural   | The application of pesticide to land.  | 77(1), 78(1), 79(1), 80(1), 82(1), 83(1), 84(1), 85(1), 86(1)                   | WHPA-A          | 10                      |
| Agricultural   | The handling and storage of pesticide.   | 1190(1), 1191(1), 1192(1), 1193(1), 1195(1), 1196(1), 1197(1), 1198(1), 1199(1) | WHPA-A          | 11                      |
| Municipal  | The handling and storage of fuel.  | 1359(2), 1360(2)  | WHPA-A          | 15                      |
| <b>Total Number of Activities</b>  |  | <b>10</b>   |                 |                         |
| <b>Total Number of Properties</b>  |  | <b>4</b>  |                 |                         |
| <small>1: Prescribed Drinking Water Threats correspond to the Reference numbers for Circumstances in the MOE Technical Rules, Table of Drinking Water Threats, as amended.<br/>                 2: The Regulation Reference Number refers to the prescribed drinking water threat listed in O.Reg298/07 s.1.1.(1).</small> |  |   |                 |                         |

### Step Four (4)

With this information the reader should now know if the Source Protection Plan policies will apply to the property in question. Based on the implementing body, the reader will also know who is responsible for implementation of the Source Protection Plan policy. If the implementing body is the reader, it will be important to also consult the Annual reporting requirements found in the first section of each municipal section of the Source Protection Plan.