

## Appendix D - Policy Approach Summary Tables



# Thames-Sydenham and Region Significant Threat Primary Policy Approach Summary for Wellhead Protection Areas

This table is intended for quick reference only. Refer to the Clean Water Act and the Source Protection Plan for a full description of threat circumstances & applicable policies.

**Table 3 Significant threat policy approach summary table for Wellhead Protection Areas**

| Threat Type/Sub Type   | Applicable Area |         | Proposed Policy Approach  |   | Proposed Policies    |
|--|-----------------|---------|---|---|----------------------|
|  | WHPA            | VS      | Existing  | Future  |                      |
| <b>1. Establishment, operation or maintenance of a waste disposal site</b>   |                 |         |   |   |                      |
| <ul style="list-style-type: none"> <li>Application of untreated septage to land</li> </ul>   | A,B             | 10      | PI – Prohibit   | PI – Prohibit   | 2.01                 |
| <ul style="list-style-type: none"> <li>Tailings from mines or stored in a pit (Mining Act operations only)</li> </ul>  | A,B             | 10      | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.03                 |
| <ul style="list-style-type: none"> <li>Landfarming of petroleum refining waste                             <ul style="list-style-type: none"> <li>The area where land disposal takes place is &gt;10 ha</li> </ul> </li> </ul>   | A,B             | 10      | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |
| <ul style="list-style-type: none"> <li>Landfilling (hazardous waste)</li> </ul>  | A,B             | 10      | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |
| <ul style="list-style-type: none"> <li>Landfilling (municipal waste) – incl. former/closed sites                             <ul style="list-style-type: none"> <li>The fill area must be &gt;10 ha to be sig. in V-score 8</li> <li>Applies to specified chemicals only</li> </ul> </li> </ul>  | A,B<br>B,C      | 10<br>8 | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |
| <ul style="list-style-type: none"> <li>Landfilling (solid non hazardous ind/com.)                             <ul style="list-style-type: none"> <li>The fill area must be &gt;10 ha to be sig. In V-score 8</li> <li>Applies to specified chemicals only</li> </ul> </li> </ul>   | A,B<br>B,C      | 10<br>8 | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |
| <ul style="list-style-type: none"> <li>Liquid Industrial waste injection into a well                             <ul style="list-style-type: none"> <li>In V-Score 10 – combined rate of discharge for site is &gt;380 m<sup>3</sup>/year</li> <li>In V-Score 8, combined rate of discharge for site 38,000,000 m<sup>3</sup>/year</li> <li>Applies to specified chemicals only</li> </ul> </li> </ul> | A,B<br>B,C      | 10<br>8 | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |
| <ul style="list-style-type: none"> <li>PCB waste storage                             <ul style="list-style-type: none"> <li>Stored in facility or engineered cell below grade; or</li> <li>Stored in tanks below/partially below grade; or</li> <li>Outdoor area, not in a container</li> </ul> </li> </ul>  | A,B             | 10      | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06 |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval

| Threat Type/Sub Type   | Applicable Area |         | Proposed Policy Approach  |   | Proposed Policies              |
|--|-----------------|---------|---|---|--------------------------------|
|  | WHPA            | VS      | Existing  | Future  |                                |
| <ul style="list-style-type: none"> <li>Storage of hazardous or liquid industrial waste at disposal sites</li> </ul>  | A,B             | 10      | PI – Manage, where ECA required<br>RMP - Manage, where no ECA             | PI – Prohibit, where ECA required<br>Part IV – Manage, where no ECA       | 2.04<br>2.05<br>2.05.1<br>2.06 |
| <ul style="list-style-type: none"> <li>Storage of wastes described in clauses p, q, r, s, t or u of the definition of hazardous waste</li> </ul>   | A,B             | 10      | PI – Manage, where ECA required<br>RMP - Manage, where no ECA             | PI – Prohibit, where ECA required<br>Part IV – Manage, where no ECA       | 2.04<br>2.05<br>2.05.1<br>2.06 |
| <b>2. Establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage</b>   |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Discharge of stormwater from a swm pond</li> </ul>  |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Drainage area for facility is &gt;10 ha, and predominant land use are industrial/commercial or;</li> <li>Drainage area for facility is &gt;100 ha and predominant land uses are rural, residential or agricultural</li> </ul> | A,B             | 10      | PI – Manage   | PI –Prohibit  | 2.07<br>2.08                   |
| <ul style="list-style-type: none"> <li>Sanitary sewer and related pipes</li> </ul>   |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B             | 10      | PI – Manage   | PI – Manage   | 2.09                           |
| <ul style="list-style-type: none"> <li>Septic systems &amp; holding tanks</li> </ul>   |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Small – &lt;= 10,000 L - OBC regulated</li> </ul>   | A,B             | 10      | SA - Municipal Inspection Program   | LUP - Prohibition   | 2.17<br>2.15<br>2.16           |
| <ul style="list-style-type: none"> <li>Large - &gt;10,000 L - OWRA regulated (ECA)</li> </ul>  | A,B             | 10      | PI – Manage   | PI & LUP– Prohibit  | 2.13.1<br>2.14<br>2.15<br>2.18 |
| <ul style="list-style-type: none"> <li>Sewage Treatment Plant effluent discharges (includes lagoons)</li> </ul>  |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Wastewater Treatment facility that discharges to land or surface water, except through a designed by-pass</li> </ul>  | A,B             | 10      | PI – Manage   | PI – Prohibit   | 2.10<br>2.11                   |
| <ul style="list-style-type: none"> <li>Storage of sewage (e.g. WWTP storage tanks)</li> </ul>  |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B<br>B,C      | 10<br>8 | PI – Manage   | PI – Prohibit   | 2.12<br>2.13                   |
| <ul style="list-style-type: none"> <li>Industrial Effluent Discharges, STP By-pass Discharge, Combined Sewer Discharge</li> </ul>  |                 |         | NA – can only be significant in IPZ                                       |   |                                |
| <b>3. Application of ASM to land</b>   |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B             | 10      | RMP – Manage (RMP prohibits in 100m)                                      | RMP – Manage (RMP prohibits in 100m)                                      | 2.21                           |
| <b>4. Handling/Storage of ASM</b>  |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B             | 10      | RMP – Manage (RMP prohibits in 100m and temporary storage)<br>PI - Manage | RMP – Manage (RMP prohibits in 100m and temporary storage)<br>PI - Manage | 2.22                           |
| <b>6. Application of NASM to land</b>  |                 |         |   |   |                                |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B             | 10      | PI – Prohibit   | PI – Prohibit   | 2.23                           |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval

| Threat Type/Sub Type   | Applicable Area |    | Proposed Policy Approach   |  | Proposed Policies |
|--|-----------------|----|--|--|-------------------|
|  | WHPA            | VS | Existing   | Future   |                   |
|  |                 |    | Part IV - Prohibit   | Part IV - Prohibit   |                   |
| <b>7. Handling/storage of NASM</b>   |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>Any</li> </ul>  | A,B             | 10 | PI – Manage<br>RMP – Manage<br>(RMP prohibits in 100m and temporary storage)     | PI – prohibit<br>Part IV - Prohibit  | 2.24<br>2.25      |
| <b>8. Application of Commercial Fertilizer to land</b>   |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>% Managed land is &gt; 80 % <u>or</u> Nutrient units/acre is &gt; 1</li> </ul>  | A,B             | 10 | RMP- Manage<br>(RMP prohibits in 100m)   | RMP – Manage<br>(RMP prohibits in 100m)  | 2.26              |
| <b>9. Storage of Commercial Fertilizer</b>   |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>Stored for retail sale or in relation to its application, where total mass of all materials containing the commercial fertilizer, in any form, is &gt; 2,500 kg</li> </ul>  | A,B             | 10 | RMP – Manage<br>(RMP prohibits in 100m and temporary storage)                    | Part IV - Prohibition  | 2.27<br>2.28      |
| <b>10. Application of pesticides</b>   |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>Application - Area of land to which applied is &gt;= 1 ha</li> <li>Some prescribed pesticides only significant if area &gt;10 ha</li> <li>Applies to specified chemicals only</li> </ul>  | A,B             | 10 | RMP – Manage<br>PI – Manage<br>(PI to prohibit pesticides which are significant) | RMP – Manage<br>PI – Manage<br>(PI to prohibit pesticides which are significant) | 2.30<br>2.31      |
| <b>11. Handling/Storage of pesticides</b>  |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>Storage for retail sale or use in extermination;</li> <li>For MCPA and Mecoprop, the total mass of all materials containing the pesticide, in any form, is &gt; 250 kg;</li> <li>For all other prescribed pesticides, the total mass of all materials containing the pesticide, in any form, is &gt;2,500 kg</li> </ul> | A,B             | 10 | RMP – Manage<br>(RMP prohibits temporary storage)                                | RMP – Manage   | 2.32              |
| <ul style="list-style-type: none"> <li>Storage at a facility where it is manufactured, processed, or wholesaled, excluding storage solely for retail sale or use in extermination:</li> <li>The total mass of all materials containing the pesticide, in any form, is &gt; 2,500 kg (MCPA and Mecoprop only)</li> </ul>  | A,B             | 10 | RMP - Manage   | Part IV - Prohibit   | 2.33<br>2.34      |
| <b>12. Application of Road Salt</b>  | A,B             | 10 | % impervious surface too low to be significant                                   |  |                   |
| <b>13. Storage of road salt</b>  |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>At or above grade - Where stored in a manner that may result in exposure to precipitation or runoff from snow melt (e.g. unenclosed) and quantity stored &gt;5,000 tonnes</li> </ul>  | A,B             | 10 | Part IV – Prohibit   | Part IV – Prohibit   | 2.35              |
| <ul style="list-style-type: none"> <li>Salt storage in aggregate sites</li> </ul>  | A,B             | 10 | SA – Prohibit  | SA – Prohibit  | 2.35              |
| <b>14. Storage of Snow</b>   |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>below grade - storage area &gt;= 0.01 ha</li> <li>at/above grade - storage area &gt;1 ha</li> </ul>   | A,B             | 10 | RMP – Manage<br>(RMP prohibits off-site snow)                                    | RMP – Manage<br>(RMP prohibits off-site snow)                                    | 2.36              |
| <ul style="list-style-type: none"> <li>storage of snow in aggregate sites</li> </ul>   | A,B             | 10 | SA – Prohibit  | SA – Prohibit  | 2.37              |
| <b>15. Storage/Handling of Fuel</b>  |                 |    |  |  |                   |
| <ul style="list-style-type: none"> <li>Smaller quantities e.g. residential heating oil <ul style="list-style-type: none"> <li>Storage below/partially below grade &gt;250</li> </ul> </li> </ul>   | A,B             | 10 | RMP - Manage   | Part IV – Prohibit   | 2.38<br>2.40      |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval

| Threat Type/Sub Type   | Applicable Area |     | Proposed Policy Approach    |  | Proposed Policies |
|--|-----------------|-----|-----------------------------|--|-------------------|
|  | WHPA            | VS  | Existing                    | Future   |                   |
| <ul style="list-style-type: none"> <li>Larger quantities &amp; bulk plant or fuel manufacture/refining &gt;2,500 L <ul style="list-style-type: none"> <li>Storage below/partially below grade and</li> <li>Storage at or above grade (does not apply to bulk plant &amp; fuel manufacture/refining)</li> </ul> </li> </ul> | A,B             | 10  | RMP – Manage                | Part IV – Prohibit<br>Exception: back-up generators for municipal well | 2.40              |
| <ul style="list-style-type: none"> <li>Fuel for use in Back-up generators</li> </ul>   | A,B             | 10  | PI – Manage                 | PI – Manage  | 2.42              |
| <ul style="list-style-type: none"> <li>Handling and storage of fuel at aggregate operations</li> </ul>   | A,B             | 10  | PI - Manage                 | PI - Manage  | 2.41              |
| <b>16. Storage/handling of DNAPLs</b>  |                 |     |                             |  |                   |
| <ul style="list-style-type: none"> <li>Residential uses with incidental quantities</li> </ul>  | A,B,C           | Any | E & O                       | E & O  | 2.45              |
| <ul style="list-style-type: none"> <li>Any quantity</li> </ul>   | A,B             | 10  | RMP - Manage                | Part IV – Prohibit   | 2.44<br>2.47      |
| <ul style="list-style-type: none"> <li>Any quantity</li> </ul>   | B,C             | <10 | RMP - Manage                | RMP – Manage   | 2.44<br>2.46      |
| <ul style="list-style-type: none"> <li>Waste disposal of hazardous waste from DNAPL</li> </ul>   | A,B             | 10  | RMP – Manage<br>PI - Manage | Part IV – Prohibit<br>PI - Prohibit                                    | 2.04              |
| <b>17. Storage of Organic Solvents</b>   |                 |     |                             |  |                   |
| <ul style="list-style-type: none"> <li>Stored below or partially below grade &gt;25 L</li> <li>Stored at or above grade &gt;250L</li> </ul>  | A,B             | 10  | RMP – Manage                | Part IV – Prohibit   | 2.48<br>2.49      |
| <ul style="list-style-type: none"> <li>Waste disposal of hazardous waste from organic solvents</li> </ul>  | A,B             | 10  | RMP – Manage<br>PI - Manage | Part IV – Prohibit<br>PI - Prohibit                                    | 2.04              |
| <b>18. Aircraft de-icing – National Airports only</b>  |                 |     |                             |  |                   |
| <b>21. OCA's &amp; Livestock pasturing/grazing</b>   |                 |     |                             |  |                   |
| <ul style="list-style-type: none"> <li>Outdoor Confinement Areas <ul style="list-style-type: none"> <li>Use of land as an OCA or farm animal yard for one or more animals</li> </ul> </li> </ul>   | A,B             | 10  | RMP – Manage                | RMP - Manage   | 2.51              |
| <ul style="list-style-type: none"> <li>Livestock grazing/pasturing <ul style="list-style-type: none"> <li>Use of land as livestock grazing/pasturing for one or more animals</li> </ul> </li> </ul>  | A,B             | 10  | RMP - Manage                | RMP - Manage   | 2.51              |

NOTES: This table covers the primary policy tool associated with the significant threats. General policies and/or specify action policies may also apply to these threats. Refer to the Source Protection Plan for all applicable policies. Complementary tools applied to each threat in order to obtain the overall goal of having a threat never become or cease to be a significant threat include:

- o Education and Outreach (policy 1.01)
- o Land use planning (policy 1.06), Implementation timing (policy 1.09),
- o Definition of Existing and Future (policy 1.11), Transitional Provisions (policy 1.10)
- o Section 59 of the Clean Water Act (where Section 57 (prohibition) or Section 58 (regulated activities) risk management plans have been applied) (policies 1.07 and 1.08)

# Thames-Sydenham and Region Significant Threat Primary Policy Approach Summary for Intake Protection Zones

This table is intended for quick reference only. Refer to the Clean Water Act and the Source Protection Plan for a full description of threat circumstances & all applicable policies.

**Table 4 Significant threat policy approach summary table for Intake Protection Zones**

| Threat Type/Sub Type  | Applicable Area                        |     | Proposed Policy Approach  |   | Proposed Policies              |
|---|--|-----|---|---|--------------------------------|
|   | IPZ                                    | VS  | Existing  | Future  |                                |
| <b>1. Establishment, operation or maintenance of a waste disposal site</b>                          |  |     |   |   |                                |
| • Application of untreated septage to land  | 1                                      | 9,8 | PI – Prohibit   | PI – Prohibit   | 2.01<br>2.02                   |
| • Tailings from mines or stored in a pit (Mining Act operations only)                               | 1                                      | 9   | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.03                           |
| • Landfarming of petroleum refining waste<br>○ Land area >10 ha                                     | 1                                      | 9   | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06           |
| • Landfilling (hazardous waste)   | 1                                      | 9   | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06           |
| • Landfilling (municipal waste) – incl. former/closed sites<br>○ >10 ha                             | 1                                      | 9   | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06           |
| • Landfilling (solid non hazardous ind/com.)<br>○ >10 ha  | 1                                      | 9   | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>Part IV – Prohibit, where no ECA | 2.04<br>2.05<br>2.06           |
| • Liquid Industrial waste injection into a well   | NA – not a significant threat in IPZ   |     |   |   |                                |
| • PCB waste storage   | NA-not a significant threat in TSR IPZ |     |   |   |                                |
| • Storage of hazardous and liquid industrial waste at disposal sites – below /partially below grade | 1                                      | 9   | PI – Manage, where ECA required<br>RMP - Manage, where no ECA         | PI – Prohibit, where ECA required<br>RMP – Manage, where no ECA       | 2.04<br>2.05<br>2.05.1<br>2.06 |
| • Storage of wastes described in clauses p, q, r, s, t or u of the definition of hazardous          | NA-not a significant threat in TSR IPZ |     |   |   |                                |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval

| Threat Type/Sub Type  | Applicable Area                          |     | Proposed Policy Approach  |   | Proposed Policies            |
|---|--|-----|---|---|------------------------------|
|   | IPZ                                      | VS  | Existing  | Future  |                              |
| waste   |  |     |   |   |                              |
| <b>2. Establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage</b>  |  |     |   |   |                              |
| <ul style="list-style-type: none"> <li>Discharge of stormwater from a swm pond <ul style="list-style-type: none"> <li>&gt;100 ha for any use</li> <li>10 – 100 ha discharge from industrial / commercial uses</li> </ul> </li> </ul>  | 1  | 9,8 | PI – Manage   | PI –Prohibit  | 2.07<br>2.08                 |
| <ul style="list-style-type: none"> <li>Sanitary sewer and related pipes <ul style="list-style-type: none"> <li>Any</li> </ul> </li> </ul>   | NA – not a significant threat in TSR IPZ |     |   |   |                              |
| <ul style="list-style-type: none"> <li>Septic systems &amp; holding tanks <ul style="list-style-type: none"> <li>Small – &lt;= 10,000 L - OBC regulated</li> <li>Large - &gt;10,000 L - OWRA regulated (ECA)</li> </ul> </li> </ul>   | NA – not a significant threat in TSR IPZ |     |   |   |                              |
| <ul style="list-style-type: none"> <li>STP effluent discharges (includes lagoons) <ul style="list-style-type: none"> <li>A sewage treatment plant effluent discharge, and the discharge is not a bypass. Plant is subject to the OWRA and requires a C of A</li> </ul> </li> </ul>  | 1  | 9,8 | PI – Manage   | PI – Prohibit   | 2.10<br>2.11                 |
| <ul style="list-style-type: none"> <li>Storage of sewage (e.g. WWTP storage tanks)</li> </ul>   | 1  | 9   | PI – Manage   | PI – Prohibit   | 2.12<br>2.13                 |
| <ul style="list-style-type: none"> <li>Industrial Effluent Discharges, STP Bypass Discharge, Combined Sewer Discharge <ul style="list-style-type: none"> <li>Industrial effluent is discharged to surface water</li> <li>A sewage treatment plant where bypasses may discharge to surface water</li> <li>The system is a combined sewer that, when overflows, may discharge to surface water</li> </ul> </li> </ul> | 1  | 9,8 | PI – Manage   | PI – Prohibit   | 2.10<br>2.11<br>2.19<br>2.20 |
| <b>3. Application of ASM to land</b>  |  |     |   |   |                              |
| <ul style="list-style-type: none"> <li>Where % of managed land of vulnerable area 40-80% and the NU/Acre of ML are &gt;1.0 NU/acre.</li> </ul>  | 1  | 9,8 | RMP – Manage (RMP prohibits in 100m)                                      | RMP – Manage (RMP prohibits in 100m)                                      | 2.21                         |
| <b>4. Handling/Storage of ASM</b>   |  |     |   |   |                              |
| <ul style="list-style-type: none"> <li>The weight or volume of manure stored annually on a Farm Unit is sufficient to annually land apply nutrients at &gt;1 NU per acre of the farm units</li> </ul>   | 1  | 9,8 | RMP – Manage (RMP prohibits in 100m and temporary storage)<br>PI - Manage | RMP – Manage (RMP prohibits in 100m and temporary storage)<br>PI - Manage | 2.22                         |
| <b>6. Application of NASM to land</b>   |  |     |   |   |                              |
| <ul style="list-style-type: none"> <li>Where % of managed land of vulnerable area 40-80% and the NU/Acre of ML are &gt;1.0 NU/acre.</li> </ul>  | 1  | 9,8 | PI – Prohibit Part IV - Prohibit  | PI – Prohibit Part IV - Prohibit  | 2.23                         |
| <b>7. Handling/storage of NASM</b>  |  |     |   |   |                              |
| <ul style="list-style-type: none"> <li>Mass of N in NASM &gt;5 tonnes</li> </ul>  | 1  | 9.8 | PI – Manage   | PI – prohibit   | 2.24                         |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval



| Threat Type/Sub Type   | Applicable Area                                |                | Proposed Policy Approach  |   | Proposed Policies |
|--|--|----------------|---|---|-------------------|
|  | IPZ  | VS             | Existing  | Future  |                   |
|  |  |                | RMP – Manage (RMP prohibits in 100m and temporary storage)                    | Part IV - Prohibit  | 2.25              |
| <b>8. Application of Commercial Fertilizer to land</b>   |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Where % of managed land of vulnerable area 40-80% and the NU/Acre of ML are &gt;1.0 NU/acre.</li> </ul>   | 1  | 9              | RMP- Manage (RMP prohibits in 100m)   | RMP – Manage (RMP prohibits in 100m)  | 2.26              |
| <b>9. Storage and Handling of Commercial Fertilizer</b>  |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Stored for use or retail sale – mass &gt; 2,500 kg</li> </ul>   | NA-not a significant threat in TSR IPZ         |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Handling and Storage in quantities &gt;30,000kg(modelled threat)</li> </ul>   | <b>1,2,3b</b><br><b>SCRSPA</b>                 | Where modelled | RMP - Manage  | RMP - Manage  | 2.29              |
| <ul style="list-style-type: none"> <li>Transportation of fertilizers along roads, railways and waterways and transportation of liquid petroleum through pipelines (local threat)</li> </ul>  | <b>1,2,3b</b><br><b>SCRSPA</b>                 | Where modelled | SA  | SA  | 2.53<br>2.54      |
| <b>10 &amp; 11 Application/Handling/Storage of pesticides</b>  |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Application <ul style="list-style-type: none"> <li>Area is &gt;= 1 ha</li> </ul> </li> </ul>  | 1  | 9              | RMP – Manage<br>PI – Manage (PI to prohibit pesticides which are significant) | RMP – Manage<br>PI – Manage (PI to prohibit pesticides which are significant) | 2.30              |
| <ul style="list-style-type: none"> <li>Storage <ul style="list-style-type: none"> <li>for use or retail sale</li> <li>&gt;2500 Kg</li> <li>MCPA (2-methyl-4-chlorophenoxyacetic acid ) or Mecoprop</li> </ul> </li> </ul>  | 1  | 9              | RMP – Manage (RMP prohibits temporary storage)                                | RMP – Manage  | 2.32              |
| <b>12. Application of Road Salt</b>  | % impervious surface too low to be significant |                |   |   |                   |
| <b>13. Storage of road salt</b>  |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Where stored in a manner that may result in exposure to precipitation or runoff from snow melt (e.g. unenclosed) and amount stored &gt;5,000 tonnes</li> </ul>  | 1  | 9              | Part IV – Prohibit  | Part IV – Prohibit  | 2.35              |
| <ul style="list-style-type: none"> <li>Salt storage in aggregate sites</li> </ul>  | 1  | 9              | SA – Prohibit   | SA – Prohibit   | 2.35              |
| <b>14. Storage of Snow</b>   |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>at/above grade - storage area &gt;1 ha for chlorides</li> <li>&gt; 5 ha for other circumstances</li> </ul>  | 1  | 9              | RMP – Manage (RMP prohibits off-site snow)                                    | RMP – Manage (RMP prohibits off-site snow)                                    | 2.36              |
| <ul style="list-style-type: none"> <li>storage of snow in aggregate sites</li> </ul>   | 1  | 9              | SA – Prohibit   | SA – Prohibit   | 2.37              |
| <b>15. Storage/Handling of Fuel</b>  |  |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Larger quantities &amp; bulk plant or fuel manufacture/refining &gt;2,500 L <ul style="list-style-type: none"> <li>Storage below/partially below grade and</li> <li>Storage at or above grade (does not apply to bulk plant &amp; fuel manufacture/refining)</li> </ul> </li> </ul> | NA-not a significant threat in TSR IPZ         |                |   |   |                   |
| <ul style="list-style-type: none"> <li>Handling and storage of fuel &gt; 34,000L</li> </ul>  | <b>1, 2, 3,</b><br><b>3a, 3c</b>               | Where modelled | RMP - Manage  | RMP - Manage  | 2.39<br>2.41      |
| <ul style="list-style-type: none"> <li>Transportation of fuel along roads, railways</li> </ul>   | <b>1,2,3</b>                                   | Where          | SA  | SA  | 2.53              |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval

| Threat Type/Sub Type   | Applicable Area                        |          | Proposed Policy Approach |              | Proposed Policies |
|--|--|----------|--------------------------|--------------|-------------------|
|  | IPZ                                    | VS       | Existing                 | Future       |                   |
| and waterways and transportation of liquid petroleum through pipelines | SCRSPA                                 | modelled |                          |              | 2.54              |
| <b>16. Storage/handling of DNAPLs</b>                                  |  |          |                          |              |                   |
| • Any quantity   | NA – not a significant threat in IPZ   |          |                          |              |                   |
| <b>17. Storage of Organic Solvents</b>                                 |  |          |                          |              |                   |
| • >250 L   | NA-not a significant threat in TSR IPZ |          |                          |              |                   |
| <b>18. Aircraft de-icing</b>   |  |          |                          |              |                   |
| ○ National Airports only   | 1                                      | 9        | RMP - Manage             | RMP - Manage | 2.50              |
| <b>21. OCA's &amp; Livestock pasturing/grazing</b>                     |  |          |                          |              |                   |
| • Outdoor Confinement Areas  |  |          | RMP – Manage             | RMP - Manage | 2.51              |
| ○ Use of land as an OCA or farm animal yard for one or more animals    | 1                                      | 9,8      |                          |              |                   |
| • Livestock grazing/pasturing  |  |          | RMP - Manage             | RMP - Manage | 2.51              |
| ○ Use of land as livestock grazing/pasturing for one or more animals   | 1                                      | 9,8      |                          |              |                   |

NOTES: This table covers the primary policy tool associated with the significant threats. General policies and/or specify action policies may also apply to these threats. Refer to the Source Protection Plan for all applicable policies. Complementary tools applied to each threat in order to obtain the overall goal of having a threat never become or cease to be a significant threat include:

- Education and Outreach (policy 1.01)
- Land use planning (policy 1.06), Implementation timing (policy 1.09),
- Definition of Existing and Future (policy 1.11), Transitional Provisions (policy 1.10)
- Section 59 of the Clean Water Act (where Section 57 (prohibition) or Section 58 (regulated activities) risk management plans have been applied) (policies 1.07 and 1.08)

Only vulnerability scores which exist in the Thames-Sydenham and Region are included in the table

# Thames-Sydenham and Region Moderate and Low Threat Policy Approach Summary

This table is intended for quick reference only. Refer to the Clean Water Act and the Source Protection Plan for a full description of threat circumstances & all applicable policies.

**Table 5 Moderate and Low threat policy approach summary table**

| Threat  | Policies for Existing Activities | Policies for Future Activities | Proposed Policies |
|---|----------------------------------|--------------------------------|-------------------|
| 1.The Establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act | E&O                              | E&O                            | 1.01              |
| 2. The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage               | E&O                              | E&O                            | 1.01              |
| • Septic systems  | SA                               | SA                             | 1.01<br>3.01      |
| 3. Application of Agricultural Source Material (ASM) to the land  | E&O                              | E&O                            | 1.01              |
| 4. Storage of ASM   | E&O                              | E&O                            | 1.01              |
| 6. Application of Non-agricultural Source Material (NASM) to the land   | E&O                              | E&O                            | 1.01              |
| 7. Handling and Storage of NASM   | E&O                              | E&O                            | 1.01              |
| 8. Application of Commercial Fertilizer   | E&O                              | E&O                            | 1.01              |
| 9. Handling and Storage of Commercial Fertilizer  | E&O                              | E&O                            | 1.01              |
| 10. Application of Pesticides   | E&O<br>PI                        | E&O<br>PI                      | 1.01<br>3.02      |
| 11. Handling and Storage of Pesticides  | E&O                              | E&O                            | 1.01              |
| 12. Application of Road Salt  | N/A                              | N/A                            |                   |
| 13. Handling and Storage of Road Salt   | E&O                              | E&O                            | 1.01              |
| 14. Storage of Snow   | E&O                              | E&O                            | 1.01              |
| 15. Handling and Storage of Fuel  | E&O                              | E&O                            | 1.01              |
| 16. Handling and Storage of Dense Non-Aqueous Phase Liquids (DNAPL)   | E&O                              | E&O                            | 1.01              |
| 17. Handling and Storage of Organic Solvents  | E&O                              | E&O                            | 1.01              |
| 18. The Management of Runoff That Contains Chemicals Used in the De-icing of Aircraft   | E&O                              | E&O                            | 1.01              |
| 21. The Use of Land as Livestock Grazing or Pasturing Land, Outdoor Confinement Area or a Farm-Animal Yard                              | E&O                              | E&O                            | 1.01              |

Part IV-S.57 of Clean Water Act (prohibition); RMP-S.58 of Clean Water Act (risk management plan); PI-prescribed instrument; LUP-land use planning; E&O-education and outreach; INC-incentives; SA-specify action; VS-Vulnerability Score; ECA-Environmental Compliance Approval