

## **APPENDIX 'A'**

### **SOURCE WATER PROTECTION PROHIBITED OR RESTRICTED USES**

#### **Category 'A'**

- Waste treatment and disposal facilities, including lagoons, landfills, communal/municipal sewage treatment facilities and including large sewage vaults at sewage pumping stations, but not including facilities regulated under the Nutrient Management Act.
- Salvage yards, including automobile wrecking yards or premises.
- Bulk storage of hazardous chemicals and hazardous substances (as listed in O.Reg. 347 under the Environmental Protection Act), including bulk storage of oil, gasoline or petroleum products, and including transportation terminals for these substances/chemicals (including truck/trailer/container parking, washing or cleaning depots).

#### **Category 'B'**

- Bulk storage of road salt and snow disposal sites.
- Primary metal manufacturing, including iron and steel mills and ferro-alloy manufacturing; steel product manufacturing from purchased steel; alumina and aluminum production and processing; non-ferrous metal production and processing; and foundries.
- Manufacturing of fabricated metal products, including manufacturing of unfinished metal products and metal finishing operations.
- Manufacturing and assembly of transportation equipment, including motor vehicles and parts, aerospace products and parts, rail cars, ships and boats.
- Manufacturing of machinery, including agricultural, commercial, industrial, and other machinery.
- Chemical manufacturing including chemicals; resins; fertilizers, pesticides and other agricultural chemicals; pharmaceutical and medicines; paint, coating and adhesives; inks and other chemicals but excluding soap and cleaning compound manufacturing. Including manufacturing, packaging, repackaging, and bottling. Excludes uses involving bulk storage of hazardous materials which are included under Category 'A'.
- Manufacturing of petroleum and coal products, including manufacturing of asphalt materials. Excludes uses involving bulk storage of hazardous materials which are included under Category 'A'.
- Manufacturing of electronic components such as semiconductors, printed circuit boards, and cathode ray tubes.
- Manufacturing of electrical equipment, appliances and components.
- Commercial or industrial dry cleaning of textiles and textile products, excluding depots not performing on-site dry cleaning.
- Manufacturing of leather and allied products including footwear.
- Wood and wood product preservation and treatment.
- Gasoline stations and other retail establishments with gasoline sales.

- Wholesale/distributing of cleaning products, pesticides, herbicides, fungicides and chemicals.

#### **Category 'C'**

- Manufacturing of rubber products.
- Manufacturing of soap, cleaning compounds and toilet preparations.
- Textile and fabric finishing and fabric coating.
- Manufacturing of plastic products.
- Manufacturing of wood products including wood furniture and excluding wood preservation.
- Manufacturing of glass and glass products.
- Manufacturing of paper and paper products including newsprint and boxes.
- Printing and related support activities, excluding business support services such as photocopy services.
- Repair and Maintenance of automobiles and automotive machinery, electronic equipment, industrial and commercial machinery, and personal and household goods repair.
- Golf courses.
- Airports, train and public transit terminals, except terminals with no fuel storage or transfer of shipped goods or materials.
- Medical, health and other laboratories (other than clinics generally associated with commercial plazas).
- Miscellaneous manufacturing not included elsewhere, including jewellery, silverware, medical equipment and signs.
- Recycling, recovery, or remanufacturing of materials including the collection, processing, manufacturing, or reuse of post-consumer or post-industrial materials, not including recycling or disposal of hazardous materials, and not including salvage yards or facilities with outdoor operations which are Category 'A' uses.

#### **Category 'D'**

- Underground parking garages.
- Geothermal wells.
- Mineral aggregate operations including wayside pits and quarries.

## **APPENDIX 'B'**

### **SOURCE WATER PROTECTION OVERLAY ZONE CLASSIFICATIONS**

SWP Overlay Zone is further classified from SWP-1 to 8 and affect lands illustrated on Schedule 'F'. This classification allows for varying degrees of management relative to the vulnerability of the underlying groundwater to contamination, the importance of the well to the capacity of the municipal drinking-water system, as well as the length of time groundwater within the SWP Overlay Zone will take to reach the municipal drinking-water supply well. The SWP Overlay Zone which are shown on Schedule 'F', are described below and the list of Category Uses are outlined in Appendix 'A' (Note: All uses highlighted in grey are subject to a Regional Official Plan deferral):

- a) SWP-1 – delineates areas within a 100-metre radius of each municipal drinking-water supply well. It represents the highest sensitivity area with respect to the potential movement of disease-causing organisms and groundwater infiltration. This area requires the most restrictive management, including the consideration of land purchase or establishment of conservation easements, given its close proximity to the drinking-water supply wells. Within SWP-1 classification:
  - i) Category 'A', 'B', 'C' and 'D' uses are prohibited;
  - ii) New individual wastewater treatment systems, private wells, pipelines, sewers, stormwater management facilities (or other ponds) and the direct infiltration of stormwater run-off without pre-treatment are prohibited; and
  - iii) New impermeable surfaces of any kind will be restricted or minimized to the greatest extent feasible.
- b) SWP-2 – delineates high sensitivity areas found within the two-year time of travel to a municipal drinking-water supply well. Within the SWP-2 classification:
  - i) Category 'A' uses, geothermal wells, mineral aggregate operations and wayside pits and quarries are prohibited;
  - ii) Category 'B' and 'C' uses, and underground parking garages are prohibited outside the Built-Up Area as shown on Maps 3a and 3b (the "Built-Up Area") in the Regional Official Plan;
  - iii) Category 'B' and 'C' uses, and underground parking garages already permitted by the Township Official Plan and this Zoning By-law may be permitted within the Built-Up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Individual wastewater treatment systems, private wells, pipelines, sewers, stormwater management facilities (or other ponds) and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.

- c) SWP-3 – delineates high sensitivity areas found outside of the two-year time of travel, but within the ten-year time of travel to a municipal drinking-water supply well. Within the SWP-3 classification:
  - i) Category ‘A’ uses are prohibited;
  - ii) Category ‘B’ and ‘C’ uses are prohibited outside the Built-Up Area;
  - iii) Category ‘B’ and ‘C’ uses already permitted by the Township Official Plan and this Zoning By-law may be permitted within the Built-Up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Category ‘D’ uses, individual wastewater treatment systems, private wells, pipelines, sewers, stormwater management facilities (or other ponds) and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.
- d) SWP-4 – delineates medium sensitivity areas found within the two-year time of travel to a municipal drinking-water supply well. Within the SWP-4 classification:
  - i) Category ‘A’ uses, geothermal wells, mineral aggregate operations and wayside pits and quarries are prohibited;
  - ii) Category ‘B’ and ‘C’ uses are prohibited outside the Built-Up Area;
  - iii) Category ‘B’ and ‘C’ uses already permitted by the Township Official Plan and this Zoning By-law may be permitted within the Built-Up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Underground parking garages, individual wastewater treatment systems, private wells, pipelines, sewers, stormwater management facilities (or other ponds) and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.
- e) SWP-5 – delineates medium sensitivity areas found outside of the two-year time of travel, but within the ten-year time of travel to a municipal drinking-water supply well. Within the SWP-5 classification:
  - i) Category ‘A’ uses are prohibited;
  - ii) Category ‘B’ and ‘C’ uses are prohibited outside the Built-Up Area;
  - iii) Category ‘B’ and ‘C’ uses already permitted by the Township Official Plan and this Zoning By-law may be permitted within the Built-Up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Category ‘D’ uses and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.
- f) SWP-6 – delineates low sensitivity areas found within the two-year time of travel to a municipal drinking-water supply well. Within the SWP-6 classification:
  - i) Category ‘A’ uses, geothermal wells, mineral aggregate operations and wayside pits and quarries are prohibited;
  - ii) Category ‘B’ and ‘C’ uses are prohibited outside the Built-Up Area;

- iii) Category 'B' and 'C' uses may be permitted within the Built-up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Underground parking garages and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.
- g) SWP-7 – delineates low sensitivity areas found outside of the two-year time of travel, but within the ten-year time of travel to a municipal drinking-water supply well. Within the SWP-7 classification:
- i) Category 'A' uses are prohibited;
  - ii) Category 'B' and 'C' uses are prohibited outside the Built-Up Area;
  - iii) Category 'B' and 'C' uses already permitted by the Township Official Plan and this Zoning By-law may be permitted within the Built-Up Area subject to further study in accordance with Chapter 8 of the Regional Official Plan; and
  - iv) Category 'D' uses and plans of subdivision or vacant land condominiums may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.
- h) SWP-8 – delineates the area outside the ten-year time of travel to the limit of the total land area contributing water to a municipal drinking-water supply well. With the SWP-8 classification:
- i) Category 'A' uses are prohibited; and
  - ii) Geothermal wells, mineral aggregate operations and wayside pits and quarries may be permitted subject to further study in accordance with Chapter 8 of the Regional Official Plan.