



# Drinking Water Source Protection Screening Form

Office Use Only

Roll Number: \_\_\_\_\_

File Number: \_\_\_\_\_

Submission Date: \_\_\_\_\_

WHPA, IPZ, ICA: \_\_\_\_\_

Vulnerability Score: \_\_\_\_\_

**For assistance in completing this form, please refer to the “Explanatory Guide” beginning on page 5.**

**1. Property Information**

Municipal Address of Subject Property: \_\_\_\_\_

Property Owner: \_\_\_\_\_

**2. Proposal (Please check all that apply to this application):**

	<b>Building</b>
<input type="checkbox"/>	New Structure
<input type="checkbox"/>	Expansion or Conversion of an Existing Structure
<input type="checkbox"/>	New or Replacement Septic System
<input type="checkbox"/>	New Well (Transport Pathway)
<input type="checkbox"/>	Geothermal System (Transport Pathway)
<input type="checkbox"/>	Change of Use

	<b>Planning</b>
<input type="checkbox"/>	Minor Variance
<input type="checkbox"/>	Official Plan Amendment
<input type="checkbox"/>	Consent Application
<input type="checkbox"/>	Zoning By-law Amendment Application
<input type="checkbox"/>	Subdivision/Condominium Application
<input type="checkbox"/>	Site Plan Application

**Brief Description of the Proposed Use of Land, Proposed Buildings or Structures**

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### 3. Potential Threat Activities Associated with the Application

Please check all applicable activities that may be associated with the development proposal:

#### 3.1 Fuel Handling and Storage greater than 250 litres

- Liquid fuel (i.e. gasoline or diesel)
- Fuel oil (home heating)
- Waste oil (heating)

#### 3.2 Chemical Handling and Storage

- Paints and other coatings (including stains, enamels, lacquers, rust paint)
- Dry cleaning chemicals
- Automotive repair/maintenance and/or industrial manufacturing and processing (e.g. degreasers, automotive fluids, oils, furniture stripping products, chemical solvents, adhesives)
- Solvent based degreasers or liquids for washing metal parts

If yes to any of the above, please indicate the type(s) of chemicals if known:

- 3.2.1 Dense Non-Aqueous Phase Liquids (DNAPLs), including chlorinated solvents
- 3.2.2 Organic Solvents

#### 3.3 Road Salt Application and/or Outdoor Storage

- Road salt storage, outside > 5,000 tonnes
- Road salt application in a parking lot

#### 3.4 Snow Storage (see guide)

#### 3.5 Waste Storage or Disposal (see guide)

- 3.5.1 Storage of raw, untreated liquids and solids that are pumped out of septic systems and holding tanks (not including septic tanks)
- 3.5.2 Storage and/or disposal of oils; hazardous waste; liquid industrial waste; industrial and commercial waste; or PCB waste (does not include restaurant oil or grease)

#### 3.6 Storm Water Management/Industrial Sewage

- Stormwater management facility (treatment, retention, infiltration or control of stormwater)

- Car or truck washing facility
- Oil and Water Separator
- Sediment control (ie Stormceptor)

### **3.7 Septic Systems**

- Septic system for residential or small-scale commercial/industrial/institutional use
- Septic system (Greater than 10,000 litres per day) for commercial/industrial/institutional use (note an Environmental Compliance Approval would be required)

### **3.8 Agricultural / Commercial**

- 3.8.1 Application, handling and storage of fertilizers and / or pesticides
- 3.8.2 Application, handling and storage of agricultural source material (i.e. manure)
- 3.8.3 Application, handling and storage of non-agricultural source material (e.g. biosolids, commercial food wastes, etc.)
- 3.8.4 Grazing and pasturing of livestock
- 3.8.5 Nutrient Management Plan or Strategy applies to property

### **3.9 Water Taking**

- 3.9.1 Private well (existing or new)
- 3.9.2 Greater than 50,000 litres per day of water being used (note a Permit to Take Water would be required)
- 3.10 Recharge Reduction – creation of impervious surfaces (including large roofed areas, pavement) – only applies within Town of Erin**
- 3.11 Transport Pathway (see guidance includes wells, aggregate pits, geothermal systems)**
- None of the above are applicable**

**4. Declaration (Owner or Applicant) or Person Engaged in Activity**

**Owner**

I, \_\_\_\_\_, declare that the information contained in this application and all attached documentation is true to the best of my knowledge.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

**Applicant or Authorized Agent**

I, \_\_\_\_\_, declare that the information contained in this application and all attached documentation is true to the best of my knowledge.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

**Information is collected pursuant to the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. M.56 and the *Clean Water Act*, 2006, S.O. 2006, c. 22 for the administration and enforcement of the *Clean Water Act*. Please note that business identity information is not considered personal information pursuant to the *Municipal Freedom of Information and Protection of Privacy Act*.**

For any inquiries about the collection of this information, please contact the Risk Management Official, Wellington Source Water Protection, 7444 Wellington Road 21, Elora, ON, N0B 1S0, 519-846-9691 ext. 362.

## Explanatory Guide for Completing the Drinking Water Source Protection Screening Form

Your property is located within a municipal well head protection area or intake protection zone and therefore may be subject to the *Clean Water Act*, 2006. The Wellhead Protection Area (WHPA) is the area around a municipal well where land use activities have the potential to affect the quality and quantity of water that flows into the wellhead. For more information, refer to [www.wellingtonwater.ca](http://www.wellingtonwater.ca) or contact 1-844-383-9800.

To assist staff in determining whether your property and/or application is subject to the Act, the Drinking Water Source Protection Screening Form is completed to inventory the activities that are proposed on your property. The following sections explain the form.

### Section 1 – Property Information:

Please fill out the municipal address and property owner for the subject property.

### Section 2 – Proposal:

Please check all that apply to the application and provide a brief explanation of the proposed development

### Section 3 – Potential Threat Activities Associated with Proposed Application:

Within this section please check all that apply to your application.

#### 3.1 Liquid Fuel Handling and Storage:

Check the box if on the property there is liquid fuel storage or handling greater than 250 litres (1 gal = 3.785 L). This can be located in land uses for residential, agricultural, gas, commercial, industrial or institutional purposes and includes gasoline, diesel or home heating oil. It does not include propane or natural gas.

#### 3.2 Chemical Handling and Storage:

Check box if the application is regarding one of the listed chemical handling or storage activities on the form.

##### 3.2.1 Known DNAPLs:

Check box only if applicant is aware of a Dense Non-Aqueous Phase Liquid (DNAPL) on the property. DNAPLs are chemicals that are denser than water and therefore have the ability to contaminate the groundwater easily. The specific DNAPLs that pose a potential threat are poly-aromatic hydrocarbons (PAHs), 1, 4-dioxane, trichloroethylene, tetrachloroethylene or perchloroethylene (PCE or PERC) and Vinyl Chloride.

- **Vinyl Chloride:** Used to make polyvinyl chloride (PVC) pipes, wire coatings, vehicle upholstery and plastic kitchen ware
- **PAHs:** Used in wood preservatives, pharmaceuticals, dyes and asphalt products.
- **1,4-dioxane:** Used as a degreasing solvent or solvent stabilizer in various manufacturing processes.
- **Tetrachloroethylene** (PCE or PERC): Used in dry cleaning, metal cleaning and as an intermediate in manufacturing processes.

- **Trichloroethylene (TCE):** Mainly used for degreasing of metal parts in the automotive and metal industries and also found in some household products such as adhesives, paint removers, paints, rug cleaning fluids, and metal cleaners.

### 3.2.2 Known Organic Solvents:

Check box if the applicant is aware of Organic Solvents on the property. Organic Solvents are liquid organic compounds with the ability to dissolve solid, gases or liquids and therefore have the ability to contaminate drinking water sources. Organic Solvents that are of potential concern include Carbon Tetrachloride, Chloroform, Dichloromethane and Pentachlorophenol (PCP).

- **Carbon Tetrachloride:** Once used widely in fire extinguishers, as a cleaning agent, in the manufacture of refrigerants as well as an industrial solvent and metal degreasing agent is a banned substance in Ontario since 1999. The only permitted uses of the chemical are in research laboratories or in the manufacturing process where the product is converted to an alternative product which does not contain a class of ozone-depleting substances.
- **Chloroform:** commonly used in a laboratory setting, and in the production of pharmaceuticals, dyes and pesticides.
- **Dichloromethane** (also known as methylene chloride): used as a solvent in paint strippers and removers. It is used as a process solvent in the manufacture of drugs, pharmaceuticals and film coatings. It is also used as a metal cleaning and finishing solvent in electronics manufacturing, aerosol propellant and as an agent in urethane foam blowing.
- **Pentachlorophenol (PCP):** used as an herbicide, insecticide, fungicide, algacide and disinfectant, and as an ingredient in antifouling paint. Its use has significantly declined due to its high toxicity. Today it is used industrially as a wood preservative and is not manufactured in Canada.

### 3.3 Road Salt Application, Handling and Storage:

Check the appropriate box if there will be outdoor, road salt storage greater than 5,000 tonnes or road salt application in a parking lot. Please note it is extremely unlikely that any application will have outside road salt storage greater than 5,000 tonnes.

Please check the appropriate box if salt will be applied to a parking lot.

### 3.4 Snow Storage:

Check box if there will be below grade (buried) snow storage on the property greater than 0.01 hectare (0.03 acre or 10 metres by 10 metres) or above grade snow storage of greater than 1 hectare (2.5 acres or 100 metres by 100 metres). For reference, 0.01 hectare is roughly a double driveway and 1 hectare is roughly two soccer fields.

#### 3.5.1 Waste Storage or Disposal - Septic Tank Pump outs

Check box only if application is involved in the pumping out or disposal/treatment of raw sewage or septage, porta potties or holding tanks.

#### 3.5.2 Waste Storage or Disposal - Storage and/or Disposal of Hazardous Waste:

Check box if there is hazardous waste or liquid industrial waste stored on the property including waste oil, solvents, and automotive fluids. Please note storage or disposal of oil does not include restaurant oil or grease. Storage of hazardous waste or liquid industrial waste includes wastes requiring registration with the Ontario Hazardous Waste Information Network (HWIN), if applicable. Disposal of

waste on site includes landfilling and incineration. Typically, this will only be at commercial or industrial properties.

### **3.6 Storm Water Management/Industrial Sewage:**

Check box if one of the listed storm water management or industrial sewage activities is planned or present. For reference, a storm water management facility may include a retention or detention pond (wet or dry), catch basins, sediment control, swales and ditches.

### **3.7 Septic Systems:**

Check box if the property will be serviced by a septic system.

### **3.8.1 Agricultural - Application, handling and storage of fertilizers and pesticides:**

Check box if there is storage or use of fertilizer or pesticides for agricultural or commercial use. Do not check the box if used only for personal use.

### **3.8.2 Agricultural - Application, handling and storage of agricultural (i.e. manure) and/or 3.8.3 non-agricultural source material (bio solids):**

Check corresponding box if there is application, handling or storage of Agricultural Source Material (ASM) (manure) or Non-Agricultural Source Material (NASM) on the property. ASM and NASMs include; manure (ASM) and biosolids, commercial food waste, etc. For more information on NASMs and ASMs please look at fact sheet number 4, available on our website, [www.wellingtonwater.ca](http://www.wellingtonwater.ca)

### **3.8.4 Agricultural - Grazing and pasturing of livestock:**

Check box if there is any grazing, pasturing or housing of one or more livestock on the property excluding household pets. Livestock can include cows, horses, sheep, goats and other animals. If unsure, please contact Wellington Source Water Protection for clarification.

### **3.9.1 Water Taking - Private well installed:**

Check box if there is a well present or being installed on the property. This includes private drinking water wells, environmental test wells, geotechnical wells, irrigation wells etc.

### **3.9.2 Water Taking - Greater than 50,000 litres per day**

Check box if more than 50,000 litres per day is being withdrawn from a well or a water body(1 gal = 3.785 gal).

### **3.10 Recharge Reduction:**

Check box if there is going to be an increase in impervious surfaces on the property. For example, asphalt (driveways and parking areas) and covered areas (roofs, decks and structures). If building within current building envelope then it is not an increase. Please note this box only applies within the Town of Erin.

### **3.11 Transport Pathway**

Transport pathways are human constructed pathways through soil and bedrock that may increase the vulnerability of groundwater to certain contaminants. Please check this box if your application will be installing a vertical geothermal system, installation of caissons or building piers for a non-residential application, aggregate project, installation of utilities or excavation within fractured bedrock or involves a drilling project (i.e. installation of private wells (dug or drilled), environmental or geotechnical test wells and/or boreholes). If the Water Taking – Private Well box was checked, please check the Transport Pathway box as well.

3.12 None Applicable:

Check if none of the above sections in Part 3 are applicable to the application.

**Section 4 - Declaration:**

Either the owner or the applicant must sign and date the form.