ICI & Agricultural Threats Verification Survey

Wellington Source Water Protection

Completed By: Click here to enter text.

Date:

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.

Version 2.3-May 2017

1.0 Property Information

Property Information	
Municipality:	Click here to enter text.
Parcel Identification Number:	Click here to enter text.
Fire # or Street Address:	Click here to enter text.
Land Use:	☐ Commercial ☐ Industrial ☐ Institutional ☐ Agricultural ☐ Other
Servicing	☐ Municipal Water ☐ Municipal Sewage ☐ Natural Gas ☐ None
Business Information	
Business Name:	Click here to enter text.
Description of Business Activities (briefly describe)	Click here to enter text.

2.0 Contact Information

Person or Representative of Business Engaged in Threat Activity	
Name:	Click here to enter text.
Title:	Click here to enter text.
Mailing Address:	Click here to enter text.
Phone:	Click here to enter text.
Email:	Click here to enter text.
Property Owner (if different from above)	
Property Owner:	Click here to enter text.
Mailing Address:	Click here to enter text.
Phone:	Click here to enter text.
Email:	Click here to enter text.
Tenant (if different from above)	
Tenant Name:	Click here to enter text.

Mailing Address:	Click here to enter text.
Phone:	Click here to enter text.
Email:	Click here to enter text.

3.0 Drinking Water Threats - Activities

3.1 Storage and Handling of Fuels	
Are liquid fuels stored or handled on the property?	☐ Storage ☐ Handling ☐ No
What types of fuels are used or stored on the property?	☐ Gasoline/Diesel ☐ Heating Fuel/Fuel Oil
For what purpose are fuels used or handled on the site?	☐ Retail ☐ Use on Property ☐ Distribution (by pipeline or tank trucks) ☐ Refining
Where do you use and/or store fuels?	☐ Above Ground ☐ Partially Below Ground ☐ Below Ground
Please provide maximum quantity stored on the property at any one time. Please indicate number of tanks/storage containers for each type.	
Gasoline/Diesel	☐ < 25 L (e.g. Jerry can) ☐ 25 – 250 L (up to 1 drum) ☐ 250 – 2,500 L (at least 1 drum to 1 tank) ☐ > 2,500 L (more than 1 tank)
Heating Fuel/Fuel Oil	☐ < 25 L (e.g. Jerry can) ☐ 25 – 250 L (up to 1 drum) ☐ 250 – 2,500 L (at least 1 drum to 1 tank) ☐ > 2,500 L (more than 1 tank)
Notes:	Click here to enter text.

3.2 Waste Management	
Is the property registered through Ontario's Hazardous Waste Information Network (HWIN)?	☐ Yes ☐ No
Is the property registered as a Waste Receiver through the Ontario MOECC?	☐ Yes ☐ No
Does the property have an Ontario MOECC Environmental Compliance Approval (ECA) for waste storage or waste disposal?	☐ Yes ☐ No
If yes, please specify type of waste on ECA.	☐ Hazardous Waste ☐ Liquid Industrial Waste ☐ Municipal (non-hazardous) ☐ Other Liquid Waste
Is there Polychlorinated biphenyl (PCB) storage on site?	☐ Yes ☐ No
Does the property store small quantities of hazardous waste?	Small quantities includes waste that is <1kg or <25L, containers or liners of containers that stored hazardous waste and residues on materials used to clean-up spills of hazardous waste. ☐ Yes ☐ No
Does waste contain any of the following chemicals? (Check all that apply)	☐ Arsenic or arsenic-containing compounds ☐ Barium ☐ Cadmium or cadmium containing compounds ☐ Chromium VI ☐ Dichlorophenoxy Acetic Acid (D-2,4) ☐ Mercury or mercury-containing compounds ☐ Selenium or selenium-containing compounds ☐ Silver or silver-containing compounds ☐ 2,4,5-Trichlorophenoxyacetic Acid
Where do you store or handle waste?	☐ Above Ground ☐ Partially Below Ground ☐ Below Ground
Notes:	Click here to enter text.

3.3 Storage of Commercial Fertilizer	
Is commercial fertilizer stored on the property?	☐ Yes ☐ No
If yes, for what purpose is commercial fertilizer stored?	☐ Retail ☐ Wholesale ☐ Manufactured ☐ Application off site ☐ Application on site
What is the total amount (both liquid and solid) of stored commercial fertilizer?	☐ < 25 kg ☐ 25 – 250 kg ☐ 250 – 2,500 kg ☐ > 2,500 kg
Notes:	Click here to enter text.

3.4 Storage of Pesticide	
Is pesticide stored on the property?	☐ Yes ☐ No
If yes for what purpose is pesticide stored?	☐ Retail ☐ Wholesale ☐ Manufactured ☐ Application off site ☐ Application on site
What is the total amount of stored pesticides?	☐ < 250 kg ☐ 250 – 2,500 kg ☐ > 2,500 kg
Do the pesticides stored on the property contain any of the following ingredients? (Check all that apply)	☐ MCPA ☐ Mecoprop ☐ Atrazine ☐ Dicamba ☐ 2,4-D ☐ Dichloropropene-1,3 ☐ MCPB ☐ Metalaxyl ☐ Pendimethalin ☐ Glyphosate ☐ Metolachlor or s-Metolachor ☐ Other (please provide)
Notes:	Click here to enter text.

3.5 Application of Commercial Fertilizer and Pesticides	
Is commercial fertilizer applied on the property?	☐ Yes ☐ No
Is pesticide applied on the property?	☐ Yes ☐ No
Is a custom operator used?	Fertilizer ☐ Yes Name of Operator: ☐ No Pesticides ☐ Yes Name of Operator: ☐ No
If yes, provide approximate area of application.	Click here to enter text.
Do pesticides applied on the property contain any of the following ingredients? (Check all that apply)	☐ MCPA ☐ Atrazine ☐ 2,4-D ☐ MCPB ☐ Pendimethalin ☐ Metolachlor or s-Metolachor ☐ Other (please provide) ☐ Mecoprop ☐ Dicamba ☐ Dichloropropene-1,3 ☐ Metalaxyl ☐ Glyphosate
Soil Test? If yes, how often?	☐ Yes Frequency: ☐ No
Fertilizer application rate, if known. Is it based on soil tests?	Rate: ☐ Yes ☐ No
Notes:	Click here to enter text.

3.6 Road Salt and Snow Storage	
Is road salt applied to the property?	☐ Yes ☐ No
Is road salt stored on the property?	☐ Yes ☐ No
If yes, what is approximate volume of road salt stored?	☐ < 5,000 Tonnes ☐ > 5,000 Tonnes
Where is road salt stored?	☐ In Building ☐ Salt Dome Facility ☐ Sealed Container

	☐ Outside
Is snow stored on the property?	☐ Yes, only onsite snow ☐ Yes, snow is brought to site from other location ☐ No, snow from property is removed off site
If yes what is the approximate maximum size of the snow storage area?	☐ < 0.01 – 0.5 ha ☐ 0.5 – 1 ha ☐ 1 – 5 ha ☐ > 5 ha
Where is snow stored?	☐ Above Grade ☐ Below Grade

3.7 Sewage	
Is the property municipally serviced for sewage?	☐ Yes ☐ No
If yes, is sewage pumping station present on site?	☐ Yes ☐ No
If no please identify type of sewage disposal used on property:	☐ an earth pit privy, privy vault, greywater system, cesspool or a leaching bed system ☐ a system that requires or uses a holding tank for the retention of hauled sewage at the site where it is produced prior to its collection by a hauled sewage system
Is the design flow of the sewage system greater than 10,000 L/day:	☐ Yes ☐ No
If yes, does the site have an Environmental Compliance Approval?	☐ Yes ☐ No
Is there a storm water management pond on site?	☐ Yes ☐ No
Does site have an oil-water separator and catch basins?	☐ Yes ☐ No
Notes:	Click here to enter text.

3.8 Storage and Handling of Organic Solvents *(see below for examples of products that may contain these chemicals)*	
Do you use or store any products that contain organic solvents?	☐ Yes ☐ No
If yes, do these products contain any of the listed chemicals?	☐ Carbon Tetrachloride ☐ Chloroform ☐ Methylene Chloride ☐ Pentachlorophenol
Do you have Material Safety Data Sheets (MSDS) for products?	☐ Yes ☐ No
Where do you use and/or store these chemicals?	☐ Above Ground ☐ Partially Below Ground ☐ Below Ground
What is the total volume stored?	☐ < 25 L ☐ 25 – 250 L ☐ 250 – 2,500 L ☐ > 2,500 L
Notes:	Click here to enter text.

What are Organic Solvents?

Organic solvents are liquid organic compounds with the ability to dissolve solids, gases, or liquids. Organic solvents that are a potential concern with respect to drinking water sources include Carbon Tetrachloride, Chloroform, Methylene Chloride, Pentachlorophenol.

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: Is 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): has been used as a herbicide, insecticide, fungicide, algaecide, 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.

3.9 Storage and Handling of Dense Non-Aqueous Phase Liquids *(see examples of products that may contain these chemicals)*	
Do you use or store any products that could contain DNAPLs? Products and activities that could contain DNAPLs include: - Dry cleaning chemicals - Automotive products - Brake Cleaner - Metal Parts Cleaner - Degreasers - Liquid cooling products for machines/engines - Flame retardants - Wood preservatives - Manufacturing - Paints, paint thinner	☐ Yes ☐ No
Do you have Material Safety Data Sheets (MSDS) for products?	☐ Yes ☐ No
Do these products contain any of the listed chemicals?	☐ Poly Aromatic Hydrocarbons ☐ Dioxane-1,4 ☐ Tetrachloroethylene (PCE) ☐ Vinyl Chloride ☐ Trichloroethylene (TCE)
Where do you use and/or store these chemicals?	☐ Above Ground ☐ Partially Below Ground ☐ Below Ground
What is the total volume stored?	☐ < 25 L ☐ 25 – 250 L ☐ 250 – 2,500 L ☐ > 2,500 L
If unsure if products contain DNAPLs please provide a list of products used/stored on site that could potentially contain DNAPLs and approximate volume.	Click here to enter text.

What are DNAPLs?

Dense, Non-aqueous Phase Liquids (DNAPLs) are chemicals that more dense than water and generally do not dissolve readily in water. If spilled they tend to sink into the ground and contaminate the deepest groundwater resources. DNAPLs that are a

potential concern with respect to drinking water sources include Poly aromatic hydrocarbons (PAHs), Dioxane-1,4, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl Chloride

Dioxane-1,4: Used as a degreasing solvent or solvent stabilizer in various manufacturing processes.

Tetrachloroethylene (PCE): 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. Also found in some household products such as adhesives, paint removers, paints, rug cleaning fluids, and metal cleaners.

Vinyl Chloride: Used to make polyvinyl chloride (PVC) pipes, wire coatings, vehicle upholstery and plastic kitchen ware.

Poly Aromatic Hydrocarbons: Used in wood preservatives, pharmaceuticals, dyes and asphalt products.
Examples of PAHs include napthalen; acenaphthen; antracene; ben[a]anthracene;chrysene;coronen; fluoranthen; fuorene; penanthrene; pyrene.

4.0 Risk Management Measures

4.1 Spill Response and Emergency Plans	
Do you have a spill response plan for chemicals stored on site?	☐ Yes ☐ No
If yes, are employees trained on spill response?	☐ Yes ☐ No
Do you have an emergency plan?	☐ Yes ☐ No
Notes:	Click here to enter text.

5.0 Transport Pathways

5.1 Water Wells	
Is there a water well on site? If yes, please indicate number of wells.	Click here to enter text.
Type of well (i.e., drilled or dug) and casing:	☐ Drilled Well ☐ Dug Well ☐ Flush-mount Casing ☐ Concrete Casing ☐ Steel Monument Casing
Well Use:	☐ Potable Water Supply ☐ Monitoring ☐ Industrial Processes ☐ Irrigation ☐ Other: Click here to enter text.
Casing diameter and material:	Click here to enter text.
Well casing height:	Click here to enter text.
Condition of well:	Click here to enter text.
5.2 Water Quantity Threats	
Does property pump volumes of water greater than 50, 000 L/day?	Click here to enter text.
Does property have a Permit to Take Water from the MOECC?	
What types of water takings occur on site?	☐ Groundwater ☐ Surface Water
Recharge Reduction: Describe impervious surfaces observed at the site i.e asphalt, concrete, structures	
Notes:	Click here to enter text.

6.0 Agricultural Threat Verification

6.1 General	
Does a Nutrient Management Plan or Strategy apply to the property?	☐ Yes ☐ No
Is there an Environmental Farm Plan for the property?	☐ Yes ☐ No
Crop rotation	☐ Corn

	☐ Wheat ☐ Soybean ☐ Other:_____ Current Crop: _____

6.2 Manure (Agricultural Source Material) Application	
Is manure (ASM) applied on the property?	☐ Yes ☐ No
If yes, provide approximate area of application.	
Custom Operator?	☐ Yes Name of Operator: ☐ No
If yes, provide name & contact information	
Notes:	
6.2.2 Manure (Agricultural Source Material) Storage	
Is manure (ASM) stored on the property?	☐ Yes ☐ No
If yes, provide details of location on property, amount stored etc.	
Notes:	

6.3.Non-Agricultural Source Material (NASM) Application	
Is NASM applied on the property? e.g biosoilds, commercial food wastes etc.	☐ Yes ☐ No
If yes, provide approximate area of application.	
Custom Operator?	☐ Yes ☐ No
If yes, provide name & contact information	
Notes:	

6.3.2 Non-Agricultural Source Material (NASM) Storage	
Is NASM stored on the property? e.g biosoilds, commercial food wastes etc.	☐ Yes ☐ No
If yes, provide details of location on property, amount stored etc.	
Notes:	

6.4 Grazing and Pasturing of Livestock	
Is there any grazing or pasturing of one or more livestock on the property, excluding household pets? e.g. cows, horses, sheep, goats, other animals	☐ Yes ☐ No
If yes, indicate the kind of livestock and approximately how many?	
Notes:	

7.0 Site Map

Please provide a sketch showing property and location of drinking water threat activities. Items to include in sketch if applicable: buildings, property lines, surface water bodies, wells, storage tanks, storm sewer drains, oil-water separators, catch basins, waste storage. Please include north arrow, street numbers, roads, etc. for orientation.