

# Education and Outreach for Source Protection

## Handling and Storage of Liquid Fuel

The Liquid Fuels Handling Code 2007 regulates the storage and handling of gasoline and associated products at bulk plants, marinas, retail outlets and private outlets from a safety perspective. Private fuel outlets are places where the owner dispenses fuel into vehicles, watercraft or portable containers for his/her own use. Farms can be private fuel outlets. The Liquid Fuels Handling Code is published by the Technical Standards and Safety Authority.

Audiences	Key Content
<p><b>Owners of liquid fuel systems</b></p>	<p>General Information:</p> <ul style="list-style-type: none"> <li>• Handling and storage of liquid fuels has been identified under Ontario’s <u>Clean Water Act</u> as an activity that could potentially pollute drinking water sources and put people’s health and the environment at risk.</li> <li>• Fuel spills and leaks can occur because of corrosion, overfilling, improper tank location, and improper installation and maintenance.</li> <li>• If your property is located near a municipal water supply and has onsite fuel storage that could potentially harm a water source, you will receive a letter from your local municipality or <u>conservation authority</u> requiring the development of a risk management plan.</li> <li>• Confirm that you have already taken these legally required actions to protect your drinking water sources from fuel spills and leaks:               <ul style="list-style-type: none"> <li>○ All fuel storage tanks are installed by a TSSA licensed contractor.</li> <li>○ Above ground fuel storage tanks are placed a safe distance from a drinking water well or intake. Fuel tanks are at least 15 metres (50') from a drilled well and 30 metres (100') from a dug well or water course. An example of a water course is a river or stream.</li> <li>○ All fuel storage tanks are clearly marked (e.g., CLEAR DIESEL, COLOURED DIESEL, or GASOLINE) to identify</li> </ul> </li> </ul>

	<p>what is inside.</p> <ul style="list-style-type: none"><li>○ Your fuel system complies with the installation and maintenance requirements of the <u>Liquid Fuels Handling Code</u>.</li><li>○ Every storage tank, piping system and sump is tested and monitored for leaks as per the <u>Liquid Fuels Handling Code</u> leak detection monitoring requirements.</li><li>○ Underground fuel storage tanks that are no longer in use for more than two years are removed.</li></ul> <ul style="list-style-type: none"><li>● Report fuel spills and leaks to the Spills Action Centre at 1-800-268-6060 (available 24 hours a day).</li><li>● Contact your local municipality or <u>conservation authority</u> for more information about managing risks to drinking water.</li></ul> <p>Current Legislative Requirements:</p> <ul style="list-style-type: none"><li>● Requirements for the safe storage and use of fuel in Ontario are provided in the Technical Standards and Safety Authority (TSSA) <u>Liquid Fuels Handling Code 2007</u>. It is important that all tanks adhere to all requirements in the code, code adoption document and the regulations. [<u>Ontario Regulation 217/01 (Liquid Fuels)</u> and <u>Ontario Regulation 223/01 (Codes and Standards Adopted by Reference)</u> made under the <u>Technical Standards and Safety Act, 2000</u>.]</li></ul>
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**Note:** The points listed in this document are not an exhaustive list of requirements and should in no way be interpreted as such. It is important that all tanks adhere to all requirements set out in the code, code adoption document and regulation.

## RESOURCES

Using the following resources you can find information and best practices on handling and storage of liquid fuel.

<b>TECHNICAL STANDARDS AND SAFETY AUTHORITY (TSSA)</b>	
Link	<a href="#"><u>Technical Standards and Safety Authority website</u></a>
Author	Technical Standards and Safety Authority
Date Published	N/A
Notes	Website about fuel safety, legislation, inspections, and links to other organizations.
Telephone	1-877-682-8772
<b>TECHNICAL STANDARDS AND SAFETY ACT, 2000</b>	
Link	<a href="#"><u>Technical Standards and Safety Act, 2000</u></a>
Author	Government of Ontario
Date Published	June 2001
Notes	Provides for the administration of technical standards. Applies to fuels, boilers and pressure vessels, and others.
<b>ONTARIO FEDERATION OF AGRICULTURE: ON-FARM GASOLINE AND DIESEL FUEL STORAGE</b>	
Link	<a href="#"><u>On-Farm Gasoline and Diesel Fuel Storage (2010)</u></a>
Author	Ontario Federation of Agriculture
Date Published	2010
Notes	Provides details of on-farm gasoline and fuel storage based on the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code 2007.
<b>ONTARIO REGULATION 217/01</b>	
Link	<a href="#"><u>Ontario Regulation 217/01</u></a>
Author	Government of Ontario
Date Published	June 2001
Notes	Applies to facilities where gasoline or an associated product is handled, loaded or dispensed to be used as a fuel in motor vehicles or as a fuel oil.

<b>ONTARIO REGULATION 223/01</b>	
Link	<a href="#">Ontario Regulation 223/01</a>
Author	Government of Ontario
Date Published	June 2001
Notes	Provides a list of code adoption documents.

## OTHER INFORMATION

- Your local municipal office or conservation authority.

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