

# Tank Tips 3

## on Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations

### Critical timelines for existing systems

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*Environment Canada's new Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations came into effect on June 25, 2008. While many of the requirements are phased in over the next four years, some come into force immediately. This fact sheet provides you with a checklist of the requirements that come into force immediately and over the next 1, 2, and 4 years. For each entry, the section number in the regulations is given in brackets.*

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#### What has changed?

On June 25, 2008 Environment Canada put in place new regulations governing storage tank systems for petroleum and allied petroleum products that are under federal jurisdiction as described in the regulations. If you are the owner or operator of a storage tank system covered by these regulations there are new requirements in a variety of areas including spill reporting, leak detection and monitoring, and record keeping. You must also identify your storage tank system to Environment Canada by June 25, 2009.

This fact sheet provides you with the checklist covering the major changes coming into force immediately, and over the next four years, for existing storage tanks systems. Compliance with the regulations is mandatory.

#### Is your system covered by the regulations?

The regulations apply to storage tank systems under federal jurisdiction as described in the regulations – including privately owned systems located on federal or Aboriginal land – that are used to store petroleum products or 'allied petroleum products'. Allied petroleum products are listed in Schedule 1 of the regulations. If you are unsure whether your storage tank system is covered by the regulations get a copy of *Tank Tips 2: Do the regulations apply to you?* on our website or consult section 2 of the regulations.

#### Where can you get copies of the regulations?

Copies of the regulations are available on our website at [www.ec.gc.ca/st-rs](http://www.ec.gc.ca/st-rs) or you can call us at 819-934-2991 and we'll send you a copy. You'll also find *Tank Tips* fact sheets on our website, with each fact sheet covering a different aspect of the regulations.

#### What is an 'existing' storage tank system?

An existing storage tank system is a system that was operating when the regulations came into effect on June 25, 2008.

#### Do the regulations apply to new systems as well as existing systems?

There are requirements that apply to the design and installation of storage tank systems. If you are planning to install a new system it is important that you read the regulations before purchasing or installing equipment.

#### Are the requirements and deadlines the same for all storage tank systems?

No. If you have *single-walled underground tanks or piping, or aboveground tanks or piping without secondary containment*, you will note additional requirements in the checklist that apply to your system. For more information on the requirements for these types of storage tank systems please see *Tank Tips 1: What's new in the new regulations*.

#### Where do you get more information?

On our website: [www.ec.gc.ca/st-rs](http://www.ec.gc.ca/st-rs). If you'd like us to mail you the information below please call us at: 819-934-2991 (M-F: 9:00 am to 5:00 pm EST/EDT)

The following documents are available on our website:

- *Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations*
- *Tank Tips* fact sheets, each one covering a specific part of the new regulations
- *Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products*, Canadian Council of Ministers of the Environment
- *Canadian Environmental Protection Act, 1999*
- Compliance and Enforcement Policy for the *Canadian Environmental Protection Act, 1999*

If you have specific questions on the regulations please contact your regional office.

Pacific & Yukon	<a href="mailto:greenlane.pyr@ec.gc.ca">greenlane.pyr@ec.gc.ca</a>	604-664-9100
Prairie & Northern		780-951-8600
Ontario	<a href="mailto:EnviroInfo.Ontario@ec.gc.ca">EnviroInfo.Ontario@ec.gc.ca</a>	416-739-4826
Quebec	<a href="mailto:quebec.lavoieverte@ec.gc.ca">quebec.lavoieverte@ec.gc.ca</a>	800-463-4311
Atlantic	<a href="mailto:15th.reception@ec.gc.ca">15th.reception@ec.gc.ca</a>	902-426-7231

## Storage Tank Regulations Checklist

✓	Requirements now in force
	Leaking systems or components must be immediately withdrawn from service until the leak is repaired (subsection 3(1)).
	If a tank system is suspected of leaking, and it lacks continuous leak monitoring, specified leak tests must immediately be performed (section 26).
	Tank operators must notify their regional spill call-centre of any leak or spill. For spills or leaks of over 100 L, they must also send a written report of the release to Environment Canada (section 41).
	Product delivery personnel must notify operators of any spill that occurs during the transfer of product, or of any sign of a leak or spill observed around the storage tank system (section 29).
	Record keeping requirements (section 46) include inspection records (section 27), installation records (subsection 33(2) and section 34) and operation and maintenance records (subsection 40(2)).
	Oil-water separators are subject to new requirements including record keeping; monthly measurements or continuous monitoring of layers; and procedures around the disposal of free oil, separated solids and discharged water (sections 35 – 38).
	Temporary withdrawal from service of a system or component must follow procedures specified in the regulations. Any withdrawal of over two years is considered a permanent withdrawal from service (sections 42 – 43).
	Only a person designated under the regulations is permitted to permanently withdraw from service or remove a system or component, and only by following the procedures specified in the regulations (sections 42, 44 – 45).
	Tank owners/operators must ensure that all tank-system materials are compatible with the products being stored in the system (section 11).
	The secondary containment area must not be used for storage (for example, of goods or additional product – section 13).
	<b>Leaking single-walled underground piping</b> must be immediately and permanently withdrawn from service and replaced by approved piping, or removed within two years of the owner/operator becoming aware of the leak (subsection 3(3)).
	<b>Leaking single-walled underground tanks</b> must be immediately and permanently withdrawn from service, and removed within 2 years of the owner/operator becoming aware of the leak (subsection 3.(2)).
	For <b>vertical aboveground tanks without secondary containment</b> , owners/operators must check the date of last inspection to API 653 Standards. If the inspection was after June 25, 2000, the owner/operator must immediately set up an inspection schedule on a ten-year cycle from the date of the last inspection (subsections 22(5), 22(6)).
✓	Requirements in force in 1 year (June 25, 2009)
	Tank systems must be identified with Environment Canada (section 28 and Schedule 2).
	If a storage tank system has not been identified to Environment Canada, then the system's owner must have sent a <i>Storage Tank System Identification Progress Report</i> to Environment Canada (section 28 and Schedule 3).
✓	Requirements in force in 2 years (June 25, 2010)
	Tank owners/operators who submitted a <i>Storage Tank System Identification Progress Report</i> have now identified their tank systems to Environment Canada (section 28).
	All storage tank systems are now identified to Environment Canada and an identification number is visible on or near the system (subsection 28(4)).
	Product delivery personnel are no longer permitted to fill tanks without an Environment Canada identification number visible on or near the system (section 29).
	Tank system owners/operators must notify Environment Canada of system changes within 60 days (subsection 28(5)).
	Owners/operators have carried out a visual inspection of sumps and have set up an ongoing leak monitoring program for sumps (section 25).
	An emergency plan is in place for each storage tank system (sections 30 – 32).
	An initial tank precision-leak-test as described in the regulations has been completed on all <b>single-walled underground tanks</b> and an ongoing leak monitoring or detection program is now in place (section 16).
	An initial piping precision-leak-test has been completed on all <b>single-walled underground piping</b> and an ongoing leak monitoring or detection program as prescribed in the regulations is now in place (section 17).

	The walls of <b>horizontal aboveground tanks without secondary containment</b> have been visually inspected for leaks and an ongoing leak monitoring or detection program as prescribed in the regulations is in place (sections 19 – 21).
	<b>Vertical aboveground tanks without secondary containment</b> that have not been inspected since June 25, 2000 are now inspected in accordance with API Standard 653, and an ongoing leak monitoring or leak detection program as prescribed in the regulations is in place (section 22).
	<b>Aboveground piping without secondary containment</b> has been visually inspected and an ongoing leak detection program is now in place (sections 23 – 24)
✓	<b>Requirements in force in four years (June 25, 2012)</b>
	All fuel transfer areas are now designed to contain spills (subsection 15(2)).
	<b>Underground tanks installed aboveground or in unfilled secondary containment</b> (e.g. an empty concrete vault) are removed (section 6).
	All <b>partially buried tanks</b> are removed (section 7).
	<b>Aboveground tanks installed below grade or encased within filled secondary containment</b> have been removed (section 5).
	<b>Single-walled underground tanks</b> without corrosion protection and leak detection are removed (section 9: see paragraphs 9(1)(a) and 9(1)(b) for exceptions).
	<b>Single-walled underground piping</b> without corrosion protection and leak detection is removed (subsection 10(1): see subsection 10(2) for exceptions).

*This material has been prepared for convenience of reference and accessibility and does not have an official character. It is of a general nature only. For all purposes of interpreting and applying the regulations, users must consult the official version of the Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations.*