TANK TIP 2

NEW STORAGE TANK SYSTEM INSTALLATIONS

The **Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations** establish requirements for new storage tank systems, such as:

- a professional engineer must stamp the design documents for the system **(section 34)**
- a person approved to do so by the province or territory in which the system will be installed must perform the installation OR a professional engineer must supervise the installation IF there is no person approved to do so **(section 33)**
- the product transfer area must be designed to prevent releases in liquid form from reaching the environment during the transfer process
- an emergency plan must be in place before the first transfer of product to the storage tank system
- records of the design and installation of the system must be kept for the duration of its lifetime, including one showing that the system was installed by an approved person and "as-built" drawings that have the stamp and signature of a professional engineer **(section 46)**

TANKS AND COMPONENTS

Inadequate or badly installed tanks and components constitute a common source of leaks and can cause significant contamination of soil and groundwater. All components of a storage tank system must carry a **certification mark** showing that they meet the standards set out in **section 14** of the Regulations.

Underground and aboveground storage tank systems must have:

- corrosion protection or cathodic protection
- spill containment
- containment sumps (as applicable)
- liquid- and vapour-tight connections
- overfill protection
- secondary containment (aboveground tanks only)
- double-walled (underground tanks only)

Aboveground tanks include field-erected and shop-fabricated tanks: field-erected storage tanks are usually constructed on-site (e.g., API-653), whereas shop-fabricated storage tanks are manufactured off-site and brought on-site (e.g., ULC-S601).

NEW PIPING MUST:

- have no buried or concealed mechanical joints
- be made of copper or carry a **certification mark** showing that it meets one of the standards specified in:

the Regulations, either ULC/ORD-C971 or CAN/ULC-S660-08, whichever was the most recent at the time the piping was manufactured	or	section 5.2.1(1) (a), (b), (c), or (g) of the Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products

Underground piping up to and including 75 mm in diameter must have secondary containment. **Underground piping larger than 75 mm** in diameter must have secondary containment or cathodic protection.

For more information, visit our website

www.canada.ca/petroleum-products-storage-tanks

If the information you need is not available on our website, contact your regional office or the Storage Tank Program:

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