

Section 4.11. Tank Vehicles

4.11.1. Scope

4.11.1.1. Application

- 1) This Section applies to *tank vehicles* when located on a property covered in this Code.

4.11.2. General

4.11.2.1. Portable Extinguishers

- 1) A *tank vehicle* shall be provided with at least one portable extinguisher having a minimum rating of 80-B:C.
- 2) Portable extinguishers on a *tank vehicle* shall be readily accessible.

4.11.2.2. Hot Works

- 1) Hot works performed on or in close proximity to a *tank vehicle* shall conform to Section 5.2.

4.11.2.3. Parking inside Buildings

- 1) A *tank vehicle* shall not be parked inside a *building* unless
 - a) the *building* is specifically designed for that purpose,
 - b) there is sufficient space in the *tank vehicle* compartment to accommodate the thermal expansion of the *flammable liquid* or *combustible liquid*, and
 - c) the *tank vehicle* has no leaks of *flammable liquid* or *combustible liquid*.

4.11.2.4. Parking outside Buildings

- 1) Except as provided in Sentence (2), a *tank vehicle* is permitted to be left unattended by the vehicle operator outside a *building* for not more than 1 h.
- 2) A *tank vehicle* is permitted to be left unattended by the vehicle operator outside a *building* for more than 1 h, but only in a parking space
 - a) that is located not less than 15 m from a *building*, and
 - b) where the *tank vehicle* is not exposed to undue hazard from accident or collision.

4.11.3. Loading, Unloading and Dispensing from Tank Vehicles

4.11.3.1. Loading and Unloading

- 1) Unless otherwise stated in this Subsection, the loading and unloading of *tank vehicles* shall be conducted in conformance with the applicable provisions in Subsection 4.7.4.

4.11.3.2. Ignition Sources

- 1) During loading and unloading operations, a *tank vehicle* and its delivery equipment shall be separated from ignition sources by distances conforming to the requirements for dispensers in Articles 4.6.3.3. and 4.6.8.7.

4.11.3.3. Static Electric Charges

- 1) During loading and unloading of a *tank vehicle*, measures shall be taken against static electric charges in conformance with Articles 4.1.8.2. and 4.7.4.5.

4.11.3.4. Supervision

- 1) During loading and unloading of a *tank vehicle*, trained personnel shall be in a position to shut off the flow of liquid in an emergency.

4.11.3.5. Multi-use Compartments

1) When a compartment of a *tank vehicle* has been used to carry a Class I liquid, the compartment, piping and accessory delivery equipment shall be drained of liquid before a Class II or IIIA liquid is loaded.

4.11.3.6. Engine

1) When the loading or unloading of Class I liquids is done without the use of the engine of the *tank vehicle*, the engine ignition shall be shut off during the transfer operations.

4.11.3.7. Unloading

1) Before a *tank vehicle* is unloaded, the volume of liquid in the receiving tank shall be measured to ensure that the tank can accept the volume to be unloaded.

2) If the vents of the receiving or delivery tank are obstructed, the transfer of liquid shall be stopped.

3) A *tank vehicle* shall not be parked on a *street*, shoulder or sidewalk while unloading at a *fuel-dispensing station*.

4.11.3.8. Dispensing into Vehicles

1) Dispensing Class I liquids into the fuel tank of vehicles directly from a *tank vehicle* shall not be permitted.

2) Dispensing Class II or IIIA liquids into the fuel tank of vehicles directly from a *tank vehicle* having a capacity greater than 3 000 L shall be permitted only if

a) the vehicles are located outdoors on a property where they are

i) not less than 6 m away from any *building*, and

ii) not exposed to undue hazard from accident or collision,

b) at least 2 portable extinguishers having a minimum rating of 80-B:C are provided on the *tank vehicle*,

c) the delivery hoses and automatically closing hose nozzle valves used for the fuel-dispensing operations conform to Subsection 4.6.5.,

d) the *tank vehicle* operator is given training and equipment for controlling any spillage that may occur during the fuel-dispensing operations, and

e) in cases where fuel-dispensing operations are carried out at a site not conforming to Subsection 4.1.6., measures are in place to control a spill of not less than 1 000 L.