

# Flammables—Propane Tanks

Propane is a liquid in its compressed state (inside of the cylinder) and becomes a gas when pressure is released. Propane is extremely flammable. Sources of ignition are prohibited within 25 feet of the point of transfer. Other flammables or combustible materials are prohibited within 10 feet of point of transfer. Local codes need to be checked for possibly more stringent requirements.



## Protection from vehicular traffic:

- Propane tanks must be placed in an area that is not subject to the risk of vehicle traffic. Tanks that are installed where vehicle traffic can be expected or is present need to be protected from potential impact.
- Propane tanks must be protected from vehicular traffic with guard posts constructed of steel at least four inches in diameter and concrete filled spaced no more than four feet apart and set no less than three feet deep in a concrete footing, not less than 12 inches in diameter. The top of the post cannot be less than three feet above grade.
- A slight bump by a vehicle can be very damaging. If the force of the vehicle impact is too severe the tank, fittings, or lines can be subject to leaks and possible fires and explosions.



*Propane tank dome protects the tank's fittings from damage and must always be in place.*

## Protecting tank valves and fittings:

- The propane tank dome protects against damage that can be caused to the tank fittings. The dome provides protection for the regulator and its vent.
- The tank dome must always be securely attached and closed.

# Flammables—Propane Tanks

## Other safety considerations for propane tanks:

- When installing tanks, pay attention to their location and assure proper barriers are set-up to prevent vehicles from damaging them.
- Assure that valves and fittings are protected from environmental conditions such as tree branches. This can be accomplished by assuring the tank's dome is in place.
- When dispensing is completed, close all valves at the storage tank. Place dust cap or plug in the hose end valve or filling adaptor.
- Store filler hose in proper location after use.
- Assure propane storage cabinet or fence gates are closed and locked when exiting any enclosure.



*This propane tank does not meet the proper protection requirements as it is not adequately protected from vehicular traffic.*

# Flammables—Propane Tanks

This form documents that the training specified above was presented to the listed participants. By signing below, each participant acknowledges receiving this training.

Organization: \_\_\_\_\_

Trainer: \_\_\_\_\_ Trainer's Signature: \_\_\_\_\_

Class Participants:

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*Remember to load your completed trainings into the Risk Management Center.*