



# OFFICE OF THE STATE FIRE MARSHAL



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## **VEHICLE PROTECTION for FUEL TANKS**

All aboveground fuel tanks must be UL-142 or meet the standards of criteria of UL-142.

Any fuel tank subject to damage by vehicle traffic or other moving equipment will require protection for the tank.

- Protection post will be at least 5 feet from the tank.
- The metal post will be a minimum of 4 inches in diameter by 6 feet long.
- A 15 inch minimum diameter hole by 3 feet deep will be required to support the 4-inch diameter post.
- The spacing of the post will be 4 feet on center maximum between post
- The top of the metal post shall not be less than 3 feet above grade.
- Fill the hole and metal post with concrete.
- If using a containment area for vehicle protection, send details and cut view of wall.
- If this is a temporary fueling location, large rocks or other types may be placed in lieu of protection post. Submitter must state the type of protection on plan submittal.
- The Emergency Fuel Shut-Off switch shall not be any closer than 20 feet, nor further than 100 feet from the dispenser unit(s).
- A proper size fire extinguisher with a minimum rating classification of 2A-20BC shall be within 75 feet of dispensers or tank.

The tank(s) must have a Final Inspection by the Arizona State Fire Marshal's Office before use of system.

Approved plans by the State Fire Marshal's Office must be available on site during construction or installation.

This form is used only as a guide. Final approval is contingent upon a favorable field inspection.