



Department of Forestry and Fire Management

Office of the State Fire Marshal

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Phoenix, AZ 85007

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PERMITTING AND INSPECTION FOR ABOVE GROUND FUEL TANKS

You must comply with these requirements for plan review and inspection.

For plan review, a site plan with specified distances from the tank to buildings, property lines, any ignition source, and any driveways.

CLASS I ABOVE GROUND TANKS – MUST MEET:

UL-2085

2002 NFPA 30

30A

704

IFC 2003 2206.2.2

CLASS II & IIA ABOVE GROUND TANKS – MUST MEET:

UL-2085

2002 NFPA 30

30A

704

IFC 2003 2206.2.2

*VARIANCE CAN BE REQUESTED

REQUIREMENTS:

- AGST's will require five (5) gallon spill fill protection IFC 2205. AGST's will require overfill protection IFC 2205. AGST's will be required to be placed on engineered foundation.
- Dispensing hoses will require UL breakaway devices and be protected from damage IFC 2206
- Emergency Fuel Shut-Off switch is required and shall not be any closer than 20 feet, nor further than 100 feet from the dispenser unit(s). Proper signage shall be required. IFC 2203
- A proper size fire extinguisher with a minimum rating classification of 2A-20BC shall be within 7 feet of dispensers or tank.
- Appropriate warning signs per IFC 2205. I.e., "No Smoking, No Unapproved Containers. Turn off Engine."
- Tank shall be secured from public IFC 2206. All AGST's will require hazard signage per NFPA 704 standard.
- Fuel tanks subject to damage by vehicle traffic or other moving equipment will require protection for the tank per IFC 312.1 and NFPA 30A or meet UL-2085 requirements.

- Protection post will be at least three feet from the tank. The metal post will be a minimum of 4" in diameter by 6' long. A 15" minimum diameter hole by 3' deep will be required to support the 4" post. The spacing of the post will be 4' on center maximum between posts. The top of the metal post shall not be less than 3' 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 others similar material may be placed in lieu of protection post. Submitter must state protection type on plan.

Approved plans by the Office of the State Fire Marshal must be available on site during construction and inspection. An approved electrical inspection by the local or county jurisdiction is required prior to inspection.

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

11/2017