



# ALPINE FIRE PROTECTION DISTRICT

## FIRE PREVENTION POLICY MANUAL

REVISED

01/14

STANDARD

  
FIRE CHIEF APPROVAL

3-31-2014

EFFECTIVE DATE

507.2.2

### WATER STORAGE TANKS

Table No. 507.2.2A

Building Square Feet	Gallons Per Minute Water Flow	Capacity Gallons	Duration in Minutes
Up to 1,500	250	5,000	20
Over 1,500	250	10,000	40

When exposure distance is one hundred feet (100') or less from adjacent property an increase in water storage may be required by the Chief.

1. Tank elevation shall be equal to or higher than the fire department connection on the premises. Regardless of domestic use, all tanks shall be equipped with a device that will ensure that the tank contains the designated amount of water for fire flow duration as determined by the fire department. Tank size may be increased to serve multiple structures on a single parcel.
2. Supply outlet shall be at least 4 inches in diameter from the base of the tank to the point of outlet at the fire department connection. The fire department connection shall be at least one 4-inch National Standard Thread (male), reduce to one 2 ½ inch National Standard Thread (male) with 4" bronze gate valve or equal. Additional outlets may be required.
3. Location of fire department outlet to be determined on the plot plan when submitted to the fire department. Consideration will be given to topography, elevations, and distance from structures, driveway access, prevailing winds, etc. \*\* A 24" X 24" concrete pad shall be poured around fire department connection. Fire department connection shall be painted safety yellow or similar color.
4. The outlet shall be located along an access roadway and shall not be closer than 50 feet or further than 150 feet from the structure.
5. All exposed tank supply pipes shall be of an alloy or other material listed for above ground use. Adequate support shall be provided.
6. Water storage tanks shall be constructed from materials approved by the Fire Marshal and installed per manufacturer recommendations. *ie; Galvanized Steel or similar. NO RUBBER BASE OR PLASTIC TANKS* permitted unless (a) installed per manufacturer's instructions, (b) A 25 foot vegetation clearance shall be maintained around tank at all times.
7. The Chief may require any necessary information to be submitted on a plot plan for approval.
8. Vessels previously used for products other than water shall not be permitted.
9. The bottom of the water storage tank shall be level with or above the building pad

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