



Community and Economic Development Building & Fire Safety Division

WATER TANK STANDARDS For Single-Family Dwellings

The following are excerpts from NFPA 22 – Water Tanks for Private Fire Protection as required by this department for new single-family residential construction in Madera County pursuant to Public Resource Code and Madera County Ordinance Code Section 14.35:

LOCATION:

1. Not less than 50 feet and not more than 660 feet from dwelling to be protected.
2. No more than 8 Feet from an all-weather driving surface readily accessible to fire apparatus.
 - a. Preferred location is adjacent to driveway near access road.
3. On level ground inside a 4-inch galvanized or rust- inhibited metal grade band not less than 2 feet larger than the tank diameter and filled with not less than 4 inches of crushed rock or set on reinforced concrete pad not less than 6 inches thick and not less than 2 feet larger than the tank diameter.
4. Tank location is subject to approval by this office.

CONSTRUCTION:

1. Steel: not less than 14-gauge galvanized.
2. Other material as approved by this office.
3. Not less than 2500-gallon capacity.
4. If you are planning to take your domestic water from this tank add average daily use to the 2500-gallon tank, which will be an average of 3600 to 3700 gallons total.

Exception: Where other county regulations require 2000-gallon storage capacity for domestic supply from a low-producing well, a storage tank of not less than 3500-gallon capacity and meeting all other requirements herein may be used to meet both requirements



ACCESSORIES:

1. 24-Inch roof hatch.
2. Covered roof vent.
 - a. Not less than 10 square inches (4-inch diameter) covered with 3/8-inch rust resistant screen.
 - b. May be incorporated into the roof hatch design.
3. Flanged outlet and discharge valve:
 - a. 2 ½ inch flange with 2 ½ inch full-flow valve.
 - b. 4 ½ inch flanged with 4 ½ inch full-flow valve.
 - c. All outlets shall have male NH threads with cap.
4. Automatic refill is required.
5. Approved seismic bracing if height exceeds twice the diameter.

COATING:

1. Exterior shall be painted a neutral color.

Please contact the Madera County Fire Marshal's office at (559) 661-5190 if you have any questions or require additional information.