



County of Sonoma
FIRE & EMERGENCY SERVICES DEPARTMENT

FIRE SERVICES EMERGENCY MANAGEMENT HAZARDOUS MATERIALS



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Informational Bulletin

Date Issued:	October 12, 2010	Bulletin No:	2010-16N
Topic:	Water Storage Tanks		
Code Reference	Sonoma County Fire Code NFPA 22 Standard for Water Tanks		
For Use By:	Contractors, Designers and Applicants		

NOTE: This bulletin is a summary of Fire Services interpretations of County and State Codes. Information contained herein applies to typical instances and may not address all circumstances.

INFORMATION BULLETIN - Water Storage Tanks

Water Storage Tanks installed for the purpose of water storage for fire protection when required by the California Fire Code and California Building Code, shall meet the standards of NFPA 22, The Standard for Water Tanks for Private Fire Protection. Including,

When the water tank is used in relation with a Fire Pump, Fire Line Underground or Fire Suppression System NFPA 22, NFPA 20, and NFPA 13 shall apply.

Exceptions:

Permitted water storage tanks not for use listed above. The following shall be required by the fire department in emergency situations.

Tanks less than 20,000 gallons shall be equipped with an outlet and valve meeting the following requirements.

- Minimum 4 inch outlet
- Vortex Plate installed per NFPA 22
- A minimum 4 inch valve
- Adapter Iron pipe size, flanged, or grooved X Male 4.5 (NTH) National Hose Thread.
- The adapter shall be capable of being installed on the 4 inch valve.
- A cap to protect the Threads

Tanks greater than 20,000 gallons shall be equipped with an outlet and valve meeting the following requirements.

- Minimum 6 inch outlet
- Vortex Plate installed per NFPA 22
- A minimum 6 inch valve
- Adapter Iron pipe size, flanged, or grooved X Male 4.5 (NTH) National Hose Thread.
- The adapter shall be capable of being installed on the 4 inch valve.
- A cap to protect the Threads.