



SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT COMMUNITY SAFETY DIVISION

598 South Tippecanoe Ave.
San Bernardino, CA 92415
(909) 386-8400

Standard Number

W - 4

Revision Date:
July 1, 2023

FIRE PREVENTION STANDARD

TEMPORARY WATER SUPPLY FOR FIRE PROTECTION

AUTHORITY

Sections 102.9, 103 and 104.1 of the 2022 California Fire Code (CFC) and Sections 4 and 8 of Ordinance 23-01 of the San Bernardino County Fire Protection District Fire Code (Fire Code) state that the Fire Code Official of the San Bernardino County Fire Protection District (SBCFPD) shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to determine requirements not specifically provided for by the Fire Code. For further requirements on this subject, see sections 507 of the 2022 California Fire Code. This Standard may be modified with the approval of the Fire Code Official.

PURPOSE

The purpose of this Standard is to provide guidance for the use of temporary fire protection water supply systems prior to the arrival of combustibles and during construction.

SCOPE

This Standard will allow a developer to begin construction of residential or commercial projects prior to the construction of a permanent water supply. In no way shall this Standard be misconstrued to allow occupancy of any project without completion of an approved permanent water supply for fire protection.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the latest shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed. These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

SUBMITTALS

- 1) Submit an application and all required documentation online through the county EZOP website, <https://wp.sbcounty.gov/ezop/>.

NOTE: If the project is in the City of Fontana, please contact (909) 428-8890 for submittal information.

- 2) All pages of plans shall have a three-inch (3) by three-inch (3) box labeled "FOR FIRE DEPARTMENT USE ONLY" located in the bottom right corner of every page for approval stamp.



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- 3) Plans shall be submitted to the Fire Protection District for approval. These plans shall show all temporary water tanks, lines and their appurtenances and shall establish the minimum fire flow needed for the proposed project(s).
- 4) These plans shall be designed by a recognized and qualified professional per the California Licensing Board.
- 5) Manufacturer's specifications sheets (cut sheets) for all proposed materials and equipment.
- 6) Payment of all appropriate fees.
- 7) No work on the project shall commence until plans are approved by the Fire Code Official.

GENERAL

- 1) Prior to the delivery of any combustible materials to any site that does not have a permanent water supply system, a temporary water supply may be installed with the approval of the Fire Code Official, after submittal of a permit application.
- 2) Hydrants shall be anchored in a manner to withstand the surge of water flowing out of the outlets at high pressure. If required, a 3' x 3' x 3' concrete footing for each hydrant shall be provided and maintained to withstand construction traffic.
- 3) Minimum fire flow for temporary systems shall be 1,500 for a two-hour duration.
- 4) Temporary hydrants for new residential developments shall not be more than three hundred (300) feet (as measured along an approved vehicular path of travel) to main driveway on the address side of the proposed structure.
- 5) Temporary fire hydrants for multi-family, single family residential, industrial, and commercial developments shall not be more than three hundred (300) feet (as measured along an approved vehicular path of travel) from all portions of the building.
- 6) Each applicant shall check with the affected water district prior to Fire Code Official approval of connection to any public water system. The required fire flow for the project shall be maintained during construction.

ABOVEGROUND TANK INSTALLATION

- 1) The tank(s) location and access must be approved by the Fire Code Official prior to delivery of combustible materials to the job site. The temporary water supply system shall be maintained operational, at all times.
- 2) The tank(s) shall be elevated a minimum of six (6) feet above grade.
- 3) The tank(s) shall be located within three hundred (300) feet of all portions of the building(s) being protected.

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- 4) A roadway to the tank(s) capable of supporting fire apparatus shall be provided and maintained during the time that the tank is being used for fire protection.
- 5) The tank(s) shall be kept filled, at all times and shall be posted "FOR FIRE DEPARTMENT USE ONLY". The letters shall be six (6) inches high, on a contrasting background, as approved by the Fire Code Official.
- 6) All valves shall be locked with an approved Fire Protection District Knox Lock or breakaway lock.
- 7) Four (4) inch suction hose end to be locked to the tank with an approved Fire Protection District Knox Lock or breakaway lock.
- 8) Signs stating "NO PARKING WITHIN 100 FEET" shall be posted on all sides of the tank(s).

ABOVEGROUND WATER LINES

- 1) Aboveground water lines (minimum 6") may be acceptable at the discretion of the Fire Code Official. This shall be reviewed on a case-by-case basis.
- 2) Aboveground water lines shall be located to provide protection from construction traffic.
- 3) Roadways to temporary hydrants and tanks shall be capable of supporting fire apparatus and shall be provided and maintained at all times.
- 4) All material to be used shall be listed for the approved application.
- 5) Above ground water lines shall be secured from movement per manufacturers guidelines.