



**CHARLOTTE FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
500 DALTON AVE
CHARLOTTE, NC 28206**



Water Supply Requirements – Combustible Building Material on Job Sites

The Charlotte Fire Department Fire Marshal's office has created the following guidelines to provide clarification and adhere to the intent of the 2018 North Carolina Fire Prevention Code.

An approved temporary or permanent water supply shall be made available as soon as combustible building material arrives on site. For temporary water supplies, a minimum fire flow of 500 gallons per minute shall be provided. The fire hydrant used to provide this fire-flow supply shall be within 500 feet of the combustible building materials, as measured along an *approved* fire apparatus access lane. Temporary forming materials are not considered combustible building materials.

A permanent water supply, meeting the requirements of Chapter 5 of the 2018 North Carolina Fire Prevention Code, shall be in place and tested before the commencement of vertical combustible construction and/or installation of a standpipe system in buildings under construction. Water supply must include the ISO Needed Fire Flow and standpipe demand requirements. The fire hydrant used for this water supply shall be located within 100 feet of the fire department connection supplying the standpipe, when applicable.

Should a contractor wish to follow the water supply requirements of Section 3313 of the 2024 North Carolina Fire Code, a request must be made through the site safety pre-fire plans submitted to and approved by the fire code official.