

Charlotte, N.C.
September 22, 1999

CITY OF CHARLOTTE FIRE DEPARTMENT RULES AND REGULATIONS GOVERNING
FIRE FLOW, WATER DEMAND, FIRE HYDRANTS, FIRE DEPARTMENT
CONNECTIONS AND UNATTENDED SERVICE STATIONS.

No construction, renovation or addition to any building or structure, other than one and two family detached dwellings, within the City limits of the City of Charlotte shall be made without compliance with the regulations contained herein. In addition, no unattended service station shall exist without meeting the requirements, terms and conditions contained herein.

FIRE FLOW

The required fire flow for new occupancies and additions to existing occupancies, other than one and two family detached dwellings, shall be determined by the City Fire Marshal using the Insurance Services Office, Inc.'s Guide entitled "Guide for Required Fire Flow" as may be amended from time to time. Construction alternatives shall be required if the available water supply is insufficient for fire fighting operations.

Fire service mains installed to provide the required fire flow shall be installed in accordance with approved plans and Charlotte-Mecklenburg Utility Department requirements and specifications for water main construction. Fire service mains shall also be installed in accordance with the National Fire Protection Association Standard for the Installation for "Private Fire service Mains and Their Appurtenances, NfiPA 24, 1995 Edition." Six-inch dead-end fire mains serving fire hydrants shall not exceed 350 feet in length.

WATER DEMAND

The water demand for sprinkler systems and/or standpipe systems shall not be greater than 90% of the water supply available.

FIRE HYDRANTS

Fire hydrant coverage, for other than one and two family detached dwellings, shall not exceed 750 feet to the most remote point of any building as determined by the Fire Marshal, and shall meet the standards and specifications of the Charlotte-Mecklenburg Utility Department (CMUD) Access to buildings protected by fire hydrants shall comply with Section

602 of the North Carolina State Building Code, Volume V-Fire Prevention and the National Fire Protection Association Standard for "Fire Protection in Planned Building Groups, NfiPA 1141, 1998 Edition.

FIRE DEPARTMENT CONNECTIONS

Fire department connections for buildings and structures shall meet the following requirements:

(a) Fire Department connections at buildings provided with more than two (2) standpipe risers shall have one two and one-half (2 ½) inch female swivel connection with national standard threads for each additional standpipe riser.

(b) Fire Department connections shall be located not less than eighteen (18) inches nor more than five (5) feet above finished grade.

© Fire Department connections shall be located in a clear space at least ten (10) feet horizontally and at least ten (10) feet vertically in all directions.

(d) Fire Department connections shall be readily visible and not more than 50 feet from a street, fire lane or similar area providing access to Fire Department apparatus. The area between the connection and vehicular access shall be free of obstructions.

(e) There shall be an approved pumper fire hydrant within 200 feet of the Fire Department connection. The distance shall be measured along an approved path of travel for the fire apparatus, as determined by the Fire Marshal.

UNATTENDED SERVICE STATIONS

Unattended service stations not open to the public shall be permitted by the Fire Marshal subject to the following:

(a) The facility shall comply with all applicable provisions of the NfiPA 30, Flammable and Combustible Liquids Code, NfiPA 30A, Automotive and Marine Service Station Code, and the North Carolina State Building Code, Volume V-Fire Prevention.

(b) Fueling transactions shall be subject to review by the Fire Marshal.

© Accounts shall be of the commercial type operating with a business license.

(d) All accounts shall be under contract with the facility station operator for a minimum volume of 300 gallons per month for a minimum four (4) vehicle fleet exempting company employees.

(e) The fuel dispensing area shall have photocell lighting for personnel safety and/or safe equipment operation.

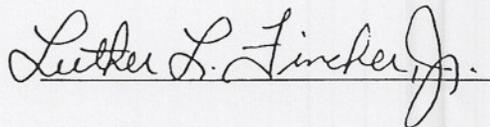
(f) A telephone with 911 access shall be accessible from pump dispensers and its accessibility shall be approved by the Fire Marshal.

(g) The fuel dispensing area shall be clearly posted with emergency numbers, site operator's phone numbers, and the address of the site to report malfunctioning equipment.

(h) The Fire Marshal may impose reasonable provisions to promote safety and to prevent spillage during fueling operations.

These regulations were adopted and approved on this the 22 day of September, 1999.

Approved:



Fire Chief