

CHAPTER NB-5.0: Sprinkler Systems for new One- and Two-Family Dwellings and Manufactured Homes. (Added March 12, 2002 and amended March 9, 2004.)

Section NB-5.1 Scope This ordinance covers the design and installation of automatic sprinkler systems for the protection against fire hazards in new one- and two family dwellings and manufactured homes.

Section NB-5.2 Purpose

The purpose of this ordinance is to provide an alternative for a builder or owner wishing to install a sprinkler system(s) in lieu of a required fire fighting water supply.

Section NB-5.3 Process

NB-5.3.1 All residential sprinkler system designs shall be in accordance with the requirements of the 1999 Edition of NFPA 13D, as modified by this ordinance.

NB-5.3.2 All residential sprinkler design drawings shall be prepared, signed and dated by a NICET Level II (or higher), Automatic Sprinkler System Layout Technician. (NICET = National Institute for Certification in Engineering Technologies. )

NB-5.3.3 A minimum of three (3) complete sets of sprinkler design drawings shall be submitted to the Town of New Boston at least three weeks prior to the installation of any sprinkler piping or components. No components of the sprinkler system may be installed prior to design approval by the Town of New Boston Any costs incurred by the Town of New Boston in the approval process shall be borne by the submitter of the sprinkler design.

NB-5.3.4 All components of the sprinkler system, shall be installed in a manner acceptable to the Town of New Boston.

NB-5.3.5 Inspections during construction shall occur at regular intervals as determined by the Town of New Boston.

NB-5.3.6 Prior to acceptance of any new sprinkler system being placed into service it shall be inspected by, and tested in the presence of, the Town of New Boston Fire Inspector or their designee. This test will include a flow test at the most hydraulically demanding head location.

NB-5.3.7 Acceptance of the sprinkler system per NB-6.3.6 shall be a condition for issuance of the Certificate of Occupancy.

#### Section NB-5.4 Design

All sprinkler systems shall be designed in accordance with the 1999 edition of NFPA 13D except as follows:

1. Bathrooms, of any size, are required to be sprinkled.
2. Rooms, closets or other enclosed spaces of less than 55 sq. feet that contain furnaces, boilers, water heaters (other than electric) or other mechanical equipment are required to be sprinkled.
3. Pumps and tanks shall be installed no less than 7" and no more than 9" above the permanent floor. The material used to accomplish this shall be permanent, solid and not allow any voids under the pump or tank. (Added March 11, 2008.)
4. Circuit breakers responsible for supplying power to the sprinkler system shall be equipped with a lockout device. (Added March 11, 2008.)
5. Valve handles shall be removed and stored in the sprinkler head box. (Added March 11, 2008.)
6. The power feed for the sprinkler system shall be protected in a method approved by the authority having jurisdiction. (Added March 11, 2008.)
7. Sprinkler systems shall be equipped with a fire department connection and external alarm approved by the authority having jurisdiction. (Added March 11, 2008.)

#### Town of New Boston Building Code

8. In addition to #7 above, all sprinkler systems installed in the Town of New Boston shall upon activation sound an alarm within the structure that will alert the occupants. This can be accomplished by connecting the sprinkler system to the household smoke detectors. (Added March 10, 2009.)

Section NB-5.5 Disclaimer The Town of New Boston and all agencies do not assume any liability due to a sprinkler system failure or malfunction or its inability to operate properly.