

## Statement of Basis and Purpose of Rule

On December 30, 2013, Local Law 141 of 2013 was signed by the Mayor. Among other changes, Local Law 141 amended section 908.7.2 of the New York City Building Code, which requires carbon monoxide (CO) detectors in Group E (educational), I-2 and I-4 occupancies (institutional uses, including hospitals and supervised care facilities). Local Law 141 amended section 908.7.2 to specify where these detectors must be installed. On April 25, 2014, Local Law 10 of 2014 was signed by the Mayor. Local Law 10 further amended the New York City Building Code to require that CO detectors be installed in buildings equipped with fire alarm systems that contain Group A-1, A-2, A-3 and certain Group B occupancies (assembly spaces). These local laws both go into effect on October 1, 2014 but allow the Department to promulgate rules necessary for the implementation of the law prior to the effective date.

This rule sets out the locations within the listed building occupancies where CO detectors must be installed and sets out other requirements related to the installation of CO detectors.

The Department of Buildings' authority for these rules is found in sections 643 and 1043(a) of the New York City Charter and sections 908.7.2, 908.7.3, and 908.7.4 of the New York City Building Code.

New material is underlined.

[Deleted material is in brackets.]

“Shall” and “must” denote mandatory requirements and may be used interchangeably in the rules of this department, unless otherwise specified or unless the context clearly indicates otherwise.

Section 1. Chapter 900 of Title 1 of the Rules of the City of New York is amended by adding a new Section 908-01 to read as follows:

### **§908-01 Carbon Monoxide Detectors.**

**(a) Scope.** Listed carbon monoxide (CO) detectors required to be installed in E, I-2 and I-4 occupancies and in buildings equipped with a fire alarm system that contain

Group A-1, A-2, A-3 and certain B occupancies pursuant to sections 908.7.2 and 908.7.3 of the Building Code must be installed in accordance with the requirements of this section.

**(b) Reference.** See Sections 908.7.2, 908.7.3 and 908.7.4 of the Building Code.

**(c) Group E, I-2 and I-4 occupancies.** CO detectors with built-in sounder bases installed in E, I-2 and I-4 occupancies in accordance with BC 908.7.2 shall be installed in the following locations:

- (1) Any room containing carbon monoxide-producing equipment, except kitchens and laboratories.
- (2) Any corridor on the story where carbon monoxide-producing equipment unit is located, as well as one story above and one story below.
- (3) Any corridor on the story where enclosed parking or a loading dock is located, as well as one story above and one story below.

**(d) Group A-1, A-2, A-3 and certain B occupancies.** CO detectors with built-in sounder bases installed in buildings that are equipped with a fire alarm system and that contain A-1, A-2 or A-3 occupancies or assembly spaces classified as Group B occupancies in accordance with BC 303.1, Exception 1, must be installed in the following locations:

- (1) Any room containing CO-producing equipment, except kitchens and laboratories.
- (2) Any occupiable room or space on the same floor as, one story above, or one story below the CO-producing equipment that is at least 75 square feet and is not provided with mechanical ventilation.

- (3) Any corridor on the story where enclosed parking or a loading dock is located, as well as one story above and one story below.
- (4) Any parking attendant's office or booth located within an enclosed garage or loading dock.
- (5) As an alternative to installation as provided in paragraphs (1) through (4) of this subdivision and subject to the Department's approval, in locations determined by a performance-based design that is in accordance with Section 5.8.5.3.2 of reference standard National Fire Protection Association (NFPA) 720 and approved by the Department.

**(e) Equipment shutdown.** Activation of a CO detector located at the source of CO-producing equipment must shut down that source. This provision does not apply where the source is a generator.

**(f) Installation Requirements.** CO detectors must be installed in accordance with NFPA 720 – 2012 edition, as modified for New York City by this section.

**(g) NFPA 720 amendments.** Pursuant to Section 28-103.19 of the New York City Administrative Code, the New York City modifications to reference standard NFPA 720 – 2012 are as follows:

- (1) Section 2.1 is revised to add the following at the end: "Where a referenced publication has been modified for the City of New York by the New York City Building Code, every reference to such publication shall be deemed to include all such modifications."
- (2) Section 2.2 is deleted and a new section 2.2 is added to read as follows:

**2.2 NFPA Publications.** National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 70®, *National Electrical Code®*, as modified and incorporated into the New York City Electrical Code.

NFPA 72®, *National Fire Alarm and Signaling Code*, as modified and incorporated into Appendix Q of the New York City Building Code.

NFPA 101®, *Life Safety Code®*, as listed in Chapter 35 of the New York City Building Code.

NFPA 110, *Standard for Emergency and Standby Power Systems*, as modified and incorporated into the New York City Electrical Code.

NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*, as listed in Chapter 35 of the New York City Building Code.

NFPA 780, *Standard for the Installation of Lightning Protection Systems*, 2011 edition.

NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems*, 2010 edition.

NFPA 5000®, *Building Construction and Safety Code®*, 2012 edition.

(3) Section 2.3.4 is deleted and a new section 2.3.4 is added to read as follows:

**Section 2.3.4 UL Publications.** Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

ANSI/UL 1971, Standard for Safety Signaling Devices for Hearing Impaired, 2002, revised 2008.

ANSI/UL 2034, Standard for Single and Multiple Station Carbon Monoxide Alarms, as listed in Chapter 35 of the New York City Building Code.

ANSI/UL 2075, Standard for Gas and Vapor Detectors and Sensors, as listed in Chapter 35 of the New York City Building Code.

- (4) Section 4.4.1.1 is deleted and a new section 4.4.1.1 is added to read as follows:

**Section 4.4.1.1** Carbon monoxide detection system plans and specifications must be developed in accordance with the New York City Building Code by persons who are New York State Registered Design Professionals and experienced in the proper design, application and testing of carbon monoxide detection systems.

- (5) Sections 4.4.1.2, 4.4.1.3 and 4.4.1.4 are deleted in their entirety.

- (6) Section 4.4.2.1 is revised to add the following at the beginning: “Carbon monoxide systems installations must be performed by a New York City Licensed electrical contractor.”

- (7) Section 4.4.3.1 is revised to add the following at the beginning: “Carbon monoxide inspection, testing, maintenance and repair may be performed by a New York City Licensed electrical contractor holding a New York

State registration for Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems or by those fire alarm companies holding a New York State registration for Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems. The rules and regulations of the Fire Department shall apply as appropriate.”

(8) Section 5.8.5.3.1 is deleted in its entirety.

(9) Section 9.4.1.1 is deleted in its entirety.

§2. This rule shall take effect on October 1, 2014, except that if the effective date of Local Law number 141 for the year 2013 is extended to December 31, 2014, this rule shall take effect on December 31, 2014.



Promulgation Details for 1 RCNY 908-01

This rule became effective on December, 31, 2014.