

NEW YORK CITY FIRE DEPARTMENT

HOTEL ASSOCIATION
OF NEW YORK CITY

NEW YORK CITY
FIRE CODE UPDATE

APRIL 28, 2010

JULIAN BAZEL
Counsel to the Department



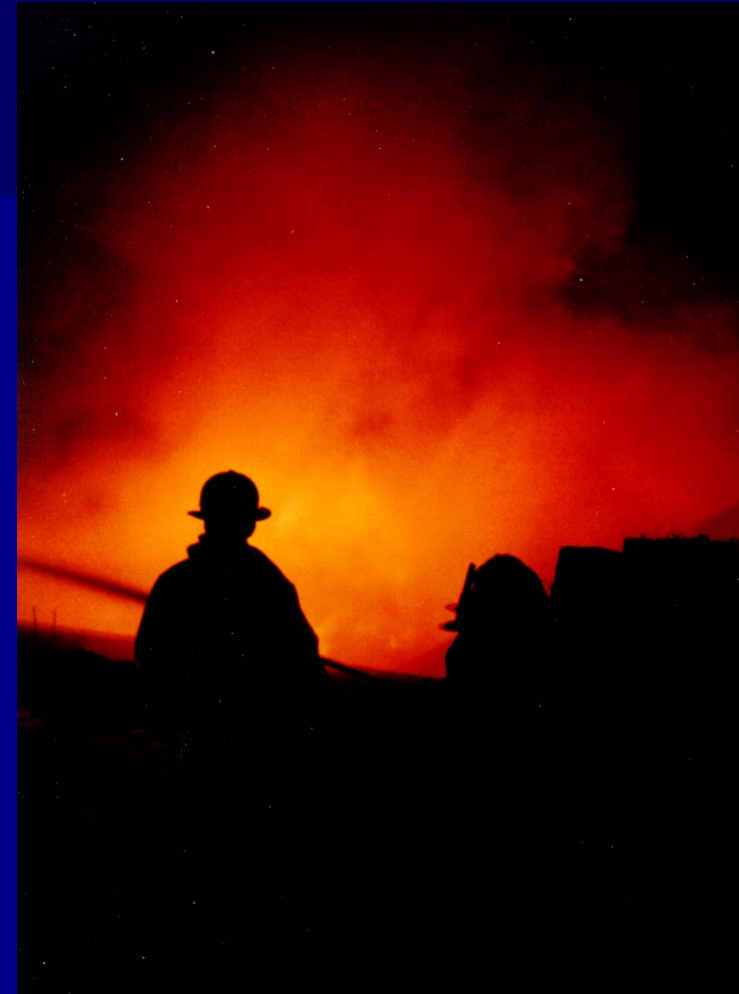
NYC FIRE CODE VS NYC BUILDING CODE

- Building Code (Title 28 of NYC Administrative Code)
 - Design and construction of buildings, including design requirements for structure, means of egress, and building fire protection systems (sprinkler systems, standpipe systems, fire alarm systems)
- Fire Code (Title 29 of NYC Administrative Code)
 - Operation and maintenance of buildings and fire protection systems
 - Emergency planning and preparedness (fire safety and evacuation plans and emergency action plans)
 - Regulation of hazardous materials, including design and installation of systems and equipment
 - Regulation of businesses and activities involving fire safety concerns (e.g. open flames and torch operations)



NYC FIRE CODE VS FORMER CODE

- Expanded fire safety and evacuation plan requirements
- Referenced Standards (enforcement of industry standards)
- Periodic testing and inspection for sprinkler, standpipe and fire alarm systems (NFPA standards)
- Rooftop access and obstructions
- Fire apparatus access roads
- More comprehensive regulation of hazardous materials
- Construction site fire safety manager and pre-fire plan



NYC FIRE CODE AND FIRE DEPARTMENT RULES

- The New York City Fire Code is organized by type of material, operation and/or facility.
 - 45 Chapters
 - 117 Referenced Standards (listed in Chapter 45)
 - 2 Appendices (Fees and Referenced Standard Modifications)
- Additional requirements in Fire Department Rules (Title 3 of the Rules of the City of New York)



FDNY WEBSITE

- Internet Address: www.nyc.gov/fdny
 - Quick links to “Fire Code” and “FDNY Rules”
- Complete text of Fire Code and new FDNY Rules
 - 2009 Local Laws Included (Fees, Construction Site Standpipes)
- Frequently Asked Questions
 - Official interpretations of Fire Code and rules
 - Interim guidelines
- Fire Code Public Inquiry Form
- New/Old Fire Code and FDNY Rule cross-reference tables
- Rulemaking Notification Request Form



ACCESSING OTHER MATERIALS

- Referenced Standards – obtain adopted edition (see FC Chapter 45) from industry organizations (NFPA, ASTM, CGA) or government website
- Construction Codes
 - www.nyc.gov/buildings (quick link to “New NYC Construction Codes”)



FDNY RULE REPROMULGATION

- All rules repealed and repromulgated – 100% complete by June 1, 2010
- New numbering parallels FC organization



NYC FIRE CODE

CHAPTERS OF INTEREST

- **CHAPTER 1 – ADMINISTRATION**
(including permits, certificates, maintenance)
- **CHAPTER 3 – GENERAL PRECAUTIONS**
(open flames, smoking, combustible waste)
- **CHAPTER 4 – EMERGENCY PLANNING AND PREPAREDNESS** (fire safety and evacuation plans, FSP staff training)



NYC FIRE CODE

CHAPTERS OF INTEREST

- **CHAPTER 6 – BUILDING SERVICES AND SYSTEMS** (periodic testing of emergency power systems and elevators in readiness, prevention of electrical hazards)
- **CHAPTER 8 – INTERIOR FURNISHINGS, DECORATIONS AND SCENERY** (flameproofing of curtains and decorations in common areas)



NYC FIRE CODE

CHAPTERS OF INTEREST

- **CHAPTER 9 – FIRE PROTECTION SYSTEMS** (maintenance of fire extinguishing, standpipe, fire alarm systems, and smoke control systems; out-of-service impairment coordinator and notification procedures)
- **CHAPTER 10 – MEANS OF EGRESS** (maintaining unobstructed; maintenance of door hardware; removal of snow and ice; overcrowding)



NYC FIRE CODE

CHAPTERS OF INTEREST

- **CHAPTER 17 – FUMIGATION AND INSECTICIDAL FOGGING** (new fire safety requirements; new rule [R1701-01] regulates cold fogging; company certificate required; notification requirements)
- **CHAPTER 26 – WELDING AND OTHER HOT WORK** (responsible person; hot work authorizations; inspection of work area)



NYC FIRE CODE: IMPACT ON EXISTING BUILDINGS

- Lawfully existing facilities and conditions on effective date of Fire Code allowed to continue under prior applicable laws, rules and regulations, with certain exceptions (FC102.3 and R102-01)
- Alteration (work other than an ordinary repair) triggers compliance with design and installation requirements
- Operational and maintenance requirements applicable to new and existing facilities (new permits and certificates of fitness required by 7/1/09)



NYC FIRE CODE: IMPACT ON EXISTING BUILDINGS

- Rooftop Access and Obstructions
 - Buildings 100' or less in height with flat roofs (20°)
 - Roof access - 6' wide openings for every 12 linear feet of accessible exposure
 - Roof obstructions- clear path (6' wide and 9' high)
 - Color coding of electric, natural gas, compressed gas and fuel oil piping (new and existing)
 - Telecommunication transmitter markings (new and existing)
- Existing Building Alterations and Requests for Modifications
- Solar Panels



NYC FIRE CODE AND FDNY RULES IMPACT ON HOTELS/ FIRE SAFETY DIRECTORS

- Fire Safety and Evacuation Plans (R404-01)
 - Standardizes plan format; includes all instructions and guidance for completion of plans
 - Additional contents
 - Electronic floor plans
 - Procedures for providing assistance to disabled
 - Building Maintenance Program
 - Evacuation of fire floor, floor above and floor below the fire floor
 - New format to be used for new plans, and after 1/1/11 for amended plans (except staff changes)



NYC FIRE CODE AND FDNY RULES IMPACT ON HOTELS/ FIRE SAFETY DIRECTORS

- Fire Safety and Evacuation Plans (cont'd)
 - Identify routes to in-building relocation areas
 - Identify in-building relocation areas
 - Use of video materials for FSP staff training
 - Building Information Card
- Fire Safety Director Continuing Education Course (R113-12)
 - Building operation and maintenance
 - 7 hrs
 - Required for FSD certificate renewal



NYC FIRE CODE AND FDNY RULES IMPACT ON HOTELS/FIRE SAFETY DIRECTORS

- Excessive unnecessary and unwarranted alarms - two in a 3-month period (R901-01)
- Periodic inspection and testing of life safety systems:
 - Fire alarm systems (NFPA 72)
 - Sprinkler and standpipe systems (NFPA 25)
 - Emergency power systems (NFPA 110 and 111)
 - Smoke control systems (dedicated semiannually/nondedicated annually)
- Hot work operations (FC Chapter 26)
 - Responsible person
 - Hot work authorization; inspection of work area



NYC BUILDING CODE IMPACT ON HOTELS

- Painting of Sprinkler and Standpipe System Piping (New and Existing)
 - Enacted by Local Law 58 of 2009
 - Compliance by June 1, 2010
- Photoluminescent Exit Markings (BC403.16)
 - Applicable to all high rise buildings, including hotels (new construction only)





© 2010 New York City Fire Department. The New York City Fire Department logo is a trademark of the City of New York.

