








## New York State Uniform Fire Prevention and Building Code - Correctly Classifying and Determining Required Fire Protection for Group "H" Occupancies





## Agenda

- Objective
- Code Review Process
- Hazardous Materials Flow Chart
- BCNYS Chapter 3 – Section 307 High-Hazard Group H
- BCNYS Chapter 4 – Section 414 Hazardous Materials
- BCNYS Limitations for Group H Occupancies
- BCNYS Chapter 9 – Fire Protection Systems
- FCNYS Chapter 27 – Hazardous Materials General Provisions
- FCNYS Chapters 28-44



## Objective

- Utilizing the New York State Building and Fire Codes correctly classify and apply fire protection requirements for hazardous materials stored or utilized within buildings.

## Code Review Process



- Essential for **EVERY** project no matter the size, whether hazardous materials are involved or not
- Needs to be completed prior to major project programming and/or design activities
- Needs to be holistic and include all referenced standards, OSHA documents, etc.
- Should be completed by a life safety professional with significant code training/experience
- Needs to involve Owner to ascertain all proposed functions, hazardous materials storage/processes

## Hazardous Materials Flow Chart

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    graph TD
      A[The material is hazardous BCNYS (307.2)] --> B[High-hazard groups BCNYS (307.3-307.7)]
      B --> C[Identify maximum allowable quantities BCNYS Tables 307.7(1) and 307.7(2)]
      C --> D{Are quantities greater than maximum allowable quantities?}
      D -- No --> E[BCNYS 307.9 Exception 1 Group Non-H]
      D -- Yes --> F{Does a high-hazard classification apply?}
      F -- No --> G[Next Slide]
      F -- Yes --> H[Next Slide]
      E --> I[Next Slide]
  
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## Hazardous Materials Flow Chart (cont.)

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    graph TD
      A[Prev. Slide] --> B[Exception 13; Aerosols FCNYS Chapter 38]
      A --> C[Exception 13; Aerosols FCNYS Chapter 38]
      B --> D[Exception 3; BCNYS 416 Flammable Finishes]
      C --> E[Exception 14; BCNYS 414.2.4 Group M/S]
      D --> F[Exception 4; Wholesale/Retail Sales; Flammable/Combustible Liquids FCNYS Chapter 34]
      E --> G[Exception 15; Explosives FCNYS Chapter 33]
      F --> H[Exceptions 5-12]
      G --> I[BCNYS 414 Hazardous Materials (applies regardless of quantity or occupancy classification)]
      H --> J[BCNYS 302.1 Occupancy Classifications]
      I --> K[FCNYS Chapter 27]
      J --> L[FCNYS Chapters 28-44]
      K --> M[FCNYS Chapters 28-44]
      N[Prev. Slide] --> O[BCNYS 415 Groups H-1, H-2, H-3, H-4, H-5]
      O --> I
  
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## Hazardous Materials Flow Chart (cont.)

- Important things to remember:
  - There are 15 exceptions listing conditions that are exempt from high-hazard occupancy classification because of:
    - The quantity of materials
    - The building's construction or use
    - The packaging of materials
    - The precautions taken to prevent fire
  - The exceptions recognize the decreased combustibility, lowered fuel load of the high-hazard material, or the decreased risk to the public as a function of the above factors
  - Even if a high-hazard material meets one of the exceptions, its storage and use must comply with BCNYS Section 414 and FCNYS Sections 2701-2703
  - Definitions are **CRITICAL**






## BCNYS Chapter 3 – Section 307 High-Hazard Group H





## Section 307 High-Hazard Group H

- Section 307 - Group H – High Hazard
  - High hazard H-1
    - Refer to list 307.3
  - High hazard H-2
    - Refer to list 307.4
  - High hazard H-3
    - Refer to list 307.5
  - High hazard H-4
    - Refer to list 307.6
  - High hazard H-5
  - Exceptions





## Summary of Hazardous Occupancy Groups



Section and Title	Type of Hazard	Examples
<b>307.2 Definitions</b>	NA	Definitions are based on CFR 29 and applicable NFPA standards
<b>307.3 H-1</b>	Detonation	*Explosives *Organic peroxides, unclassified detonable *Oxidizers Class 4 *Unstable materials, Class 3 detonable and Class 4 *Detonable pyrophoric materials
<b>307.4 H-2</b>	Deflagration or Accelerated Burning	*Aircraft paint hangars *Combustible dusts *Combustible liquids Class II or IIIA *Cryogenic fluids, flammable *Flammable gases *Flammable liquids, Class I *Organic peroxides, Class I and II *Oxidizers, Class 3 *Pyrophoric liquids, solids and gases, nondetonable *Unstable (reactive) materials, Class 3, nondetonable *Water-reactive materials Class 3

<b>307.5 H-3</b>	Support Combustion or Present Physical Hazard	*Combustible fibers *Combustible liquids, Class II or IIIA *Consumer fireworks, 1.4G (Class C, Common) *Cryogenic fluids, oxidizing *Flammable liquids, Class I *Flammable solids *Organic peroxides, Class II and III *Oxidizers, Class 1 and 2 *Oxidizing gases *Unstable (reactive) materials, Class 2 *Water-reactive materials, Class 2
<b>307.6 H-4</b>	Health Hazards	*Corrosives *Highly toxic materials *Toxic materials
<b>307.7 H-5</b>	Hazardous Production Materials (HPM)	*Semiconductor fabrication facilities *Research labs
<b>307.8 Multiple Hazards</b>	All	When a hazardous material is classified in one or more of Groups H-1, H-2, H-3, and H-4, the code requirements for each of the groups are applied
<b>307.9 Exceptions</b>	-	The exceptions listed are not classified as a Group H occupancy, but are classified as the occupancy they most resemble



## Maximum Allowable Quantity Tables

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE b			USE-CLOSED SYSTEMS b			USE-OPEN SYSTEMS b			
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)		
Combustible liquid c.i.	II IIIA IIIB	H-2 or H-3 H-2 or H-3 N/A	N/A	120 d.e 330 d.e 13,200 f	N/A	N/A	N/A	120 d 330 d 13,200 f	N/A	N/A	30 d 80 d 3,300 f	
Combustible fiber	Loose Baled	H-3	(100) (1,000)	N/A	N/A	(100) (1,000)	N/A	N/A	(20) (200)	N/A	N/A	
Consumer fireworks (Class C-Common)	1-4G	H-3	125 d.e.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Cryogenics flammable	N/A	H-2	N/A	45 d	N/A	N/A	45 d	N/A	N/A	N/A	10 d	
Cryogenics oxidizing	N/A	H-3	N/A	45 d	N/A	N/A	45 d	N/A	N/A	N/A	10 d	
Explosives	Division 1.1	H-1	1 a.g	(1) a.g	N/A	0.25 g	(0.25) g	N/A	0.25 g	(0.25) g	(0.25) g	
		H-1 or H-2	1 a.g	(1) a.g	N/A	0.25 g	(0.25) g	N/A	0.25 g	(0.25) g	(0.25) g	
	Division 1.2	H-3	5 a.g	(5) a.g	N/A	1 g	(1) g	N/A	1 g	(1) g	1 g	
		H-3	50 a.g	(50) a.g	N/A	50 g	(50) g	N/A	50 g	(50) g	N/A	
	Division 1.3	H-1	125 d.e.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		H-1	1 a.g	(1) a.g	N/A	0.25 g	(0.25) g	N/A	0.25 g	(0.25) g	(0.25) g	
Division 1.4	H-1	1 a.g.g	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Division 1.4G												
Division 1.5												
Division 1.6												

**[F] TABLE 307.7(1)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD a, j, m, n.**

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE b			USE-CLOSED SYSTEMS b			USE-OPEN SYSTEMS b	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)
Flammable gas	Gasous liquefied	H-2	N/A	N/A	1,000 d.e	N/A	N/A	1,000 d.e	N/A	N/A
Flammable liquid e	IA IB and IC	H-2 or H-3	N/A	30 d.e	N/A	N/A	30 d	N/A	N/A	10 d 30 d
		H-2 or H-3	N/A	120 d.e.n	N/A	N/A	120 d.n	N/A	N/A	30 d.n
Flammable solid	N/A	H-3	125 d.e	N/A	N/A	125 d	N/A	25 d	N/A	N/A
Organic peroxide	UD I II III IV V	H-1	1 a.g	(1) a.g	N/A	0.25 g	(0.25) g	N/A	0.25 g	(0.25) g
		H-2	5 a.g	(5) a.g	N/A	1 d	(1) d	N/A	1 d	(1) d
		H-3	50 a.g	(50) a.g	N/A	50 d	(50) d	N/A	10 d	(10) d
		H-3	125 d.e	(125) d.e	N/A	125 d	(125) d	N/A	25 d	(25) d
		N/A	NL	NL	N/A	NL	NL	N/A	NL	NL
Oxidizer	4 3x 2 1	H-1	1 a.g	(1) a.g	N/A	0.25 g	(0.25) g	N/A	0.25 g	(0.25) g
		H-2 or H-3	10 a.g	(10) a.g	N/A	2 d	(2) d	N/A	2 d	(2) d
Oxidizing gas	Gasous liquefied	H-3	N/A	N/A	1,500 d.e	N/A	N/A	1,500 d.e	N/A	N/A
		H-3	N/A	15 d.e	N/A	N/A	15 d.e	N/A	N/A	N/A

**[F] TABLE 307.7(1)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD a, j, m, n.**

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE b			USE-CLOSED SYSTEMS b			USE-OPEN SYSTEMS b	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)
Pyrophoric material	N/A	H-2	4 a.g	(4) a.g	50 a.g	1 g	(1) g	10 a.g	0	0
Unstable (reactive)	4 3 2 1	H-1	1 a.g	(1) a.g	10 a.g	0.25 g	(0.25) g	2 a.g	0.25 g	(0.25) g
		H-1 or H-2	5 a.g	(5) a.g	50 a.g	1 d	(1) d	10 a.g	1 d	(1) d
		H-3	50 a.g	(50) a.g	250 a.g	50 d	(50) d	250 a.g	10 d	(10) d
Water reactive	3 2 1	H-2	5 d.e	(5) d.e	N/A	5 d	(5) d	N/A	1 d	(1) d
		H-3	50 d.e	(50) d.e	N/A	50 d	(50) d	N/A	10 d	(10) d


**[F] TABLE 307.7(1)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD a, j, m, n.**

For SI: 1 cubic foot = 0.028 m<sup>3</sup>; 1 pound = 0.454 kg; 1 gallon = 3.785 L.  
N.L. = Not Limited; N/A = Not Applicable; UD = Unclassified Detonable.

**[F] TABLE 307.7(1)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD a, j, m, n.**



For SI: 1 cubic foot = 0.028 m<sup>3</sup>; 1 pound = 0.454 kg; 1 gallon = 3.785 L.

**[F] TABLE 307.7(2)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIAL POSING A HEALTH HAZARD a, b, c, j.**





### Section 307 High-Hazard Group H (cont.)

- Section 307 - Group H – High Hazard (cont.)
  - HMEEx – The Hazardous Materials Expert Assistant, Version 5 demonstration
  - Maximum allowable quantities apply to one single control area, a given building may have multiple control areas, refer to Chapter 4






### Section 307 High-Hazard Group H (cont.)

- Section 307 - Group H – High Hazard (cont.)
  - Control areas – Are spaces within a building that are enclosed and bounded by exterior walls, fire walls, fire barriers, and roofs, or a combination thereof, where quantities per control area are stored, dispensed, used, or handled
  - Control areas:
    - Provide an alternative method to a Group H occupancy classification
    - Regulate quantities of hazardous materials per control area rather than per building
    - Provide credit for further compartmentation via 1-hour fire barrier assemblies
    - Reduce risk of simultaneous involvement of control areas through required fire barrier assemblies
    - Establish maximum allowable quantities per building by regulating the number of control areas (Table 414.2.2)






### BCNYS Chapter 4 – Section 414 Hazardous Materials


### Section 414 Hazardous Materials

- Section 414 – Hazardous Materials
  - 414.1 General. The provisions of this section shall apply to buildings and structures occupied for the manufacturing, processing, dispensing, use or storage of hazardous materials
    - 414.1.1 Other provisions. Buildings and structures with an occupancy in Group H shall also comply with the applicable provisions of Section 415 and the Fire Code of New York State.

### Section 414 Hazardous Materials (cont.)

- Section 414 – Hazardous Materials (cont.)
  - 414.1.3 Information required.
  - 414.2 Control areas.
  - 414.3 Ventilation.
  - Tables 414.2.2, 414.2.4, and 414.5.1




FLOOR LEVEL		PERCENTAGE OF THE MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA <sup>a</sup>	NUMBER OF CONTROL AREAS PER FLOOR <sup>b</sup>	FIRE-RESISTANCE RATING FOR FIRE BARRIERS IN HOURS <sup>c</sup>
Above grade	Higher than 9	5	1	2
	7-9	5	2	2
	6	12.5	2	2
	5	12.5	2	2
	4	12.5	2	2
	3	50	2	1
Below grade	2	75	3	1
	1	50	2	1
	Lower than 2	Not Allowed	Not Allowed	Not Allowed

<sup>a</sup> Percentages shall be of the maximum allowable quantity per control area shown in Tables 307.2.1 and 307.2.2, with all increases allowed in the notes to those tables.

<sup>b</sup> There shall be a maximum of two control areas per floor in Group M occupancies and in buildings or portions of buildings having Group S occupancies with storage conditions and quantities in accordance with Section 414.2.4.

<sup>c</sup> Fire barriers shall include walls and floors as necessary to provide separation from other portions of the building.

[F] TABLE 414.2.2  
DESIGN AND NUMBER OF CONTROL AREAS



Material a	Class	MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA	
		Solids pounds	Liquids gallons
<b>A. Health-hazard materials—nonflammable and noncombustible solids and liquids</b>			
1. Corrosives b, c	Not Applicable	9,750	975
2. Highly toxics	Not Applicable	20 b, c	2 b, c
3. Toxics b, c	Not Applicable	1,000	100
<b>B. Physical-hazard materials—nonflammable and noncombustible solids and liquids</b>			
1. Oxidizers b, c	4	Not Allowed	Not Allowed
	3	1,150 g	115
	2	2,250 h	225
	1	18,000 i, j	1,800 i, j
	4	Not Allowed	Not Allowed
2. Unstable (reactives) b, c	4	Not Allowed	Not Allowed
	3	550	55
	2	1,150	115
	1	Not Limited	Not Limited
3. Water (reactives)	3 a, c	550	55
	2 b, c	1,150	115
	1	Not Limited	Not Limited

**[F] TABLE 414.2.4  
MAXIMUM ALLOWABLE QUANTITY PER INDOOR AND OUTDOOR CONTROL AREA IN GROUP M AND S  
OCCUPANCIES NONFLAMMABLE SOLIDS AND NONFLAMMABLE AND NONCOMBUSTIBLE LIQUIDS d, e, f**

For SI: 1 pound = 0.454 kg, 1 gallon = 3.785 L.

a. Hazard categories are as specified in the Fire Code of New York State.

b. Maximum allowable quantities shall be increased 100 percent in buildings that are sprinklered in accordance with Section 303.3.1.1. When Note c also applies, the increase for both notes shall be applied accumulatively.

c. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, in accordance with the Fire Code of New York State. When Note b also applies, the increase for both notes shall be applied accumulatively.

d. See Table 414.2.2 for design and number of control areas.

e. Allowable quantities for other hazardous material categories shall be in accordance with Section 307.

f. Maximum quantities shall be increased 100 percent in outdoor control areas.

g. Maximum amounts are permitted to be increased to 2,250 pounds when individual packages are in the original sealed containers from the manufacturer or package and do not exceed 10 pounds each.

h. Maximum amounts are permitted to be increased to 4,500 pounds when individual packages are in the original sealed containers from the manufacturer or package and do not exceed 10 pounds each.

i. The permitted quantities shall not be limited in a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

j. Quantities are unlimited in an outdoor control area.

**[F] TABLE 414.2.4  
MAXIMUM ALLOWABLE QUANTITY PER INDOOR AND OUTDOOR CONTROL AREA IN GROUP M AND S  
OCCUPANCIES NONFLAMMABLE SOLIDS AND NONFLAMMABLE AND NONCOMBUSTIBLE LIQUIDS d, e, f**

MATERIAL	CLASS	EXPLOSION CONTROL METHODS	
		Barricade construction	Explosion (deflagration) venting or explosion (deflagration) prevention systems b
<b>HAZARD CATEGORY</b>			
Combustible dusts c	—	Not Required	Required
Cryogenic flammables	—	Not Required	Required
Explosives	Division 1.1	Required	Not Required
	Division 1.2	Required	Not Required
	Division 1.3	Not Required	Required
	Division 1.4	Not Required	Required
	Division 1.5	Required	Not Required
Flammable gas	Gaseous	Not Required	Required
	Liquefied	Not Required	Required
Flammable liquid	IA or IB	Not Required	Required
	IB or IB	Not Required	Required
Organic peroxides	U	Required	Not Permitted
Oxidizer liquids and solids	I	Required	Not Permitted
	4	Required	Not Permitted
Pyrophoric gas	—	Not Required	Required
Unstable (reactive)	4	Required	Not Permitted
	3 Detonable	Required	Not Permitted
	3 Nondetonable	Not Required	Required
Water-reactive liquids and solids	3	Not Required	Required
	2 g	Not Required	Required

**[F] TABLE 414.5.1  
EXPLOSION CONTROL REQUIREMENTS a**

MATERIAL	CLASS	EXPLOSION CONTROL METHODS	
		Barricade construction	Explosion (deflagration) venting or explosion (deflagration) prevention systems b
<b>SPECIAL USES</b>			
Acetylene generator rooms	—	Not Required	Required
Grain processing	—	Not Required	Required
Liquefied petroleum gas- distribution facilities	—	Not Required	Required
Where explosion hazards exist f	Detonation Deflagration	Required Not Required	Not Permitted Required

a. See Section 414.1.3.

b. See the Fire Code of New York State.

c. As generated during manufacturing or processing. See definition of "Combustible dust" in Chapter 3.

d. Storage or use.

e. In open use or dispensing.

f. Rooms containing dispensing and use of hazardous materials when an explosive environment can occur because of the characteristics or nature of the hazardous materials or as a result of the dispensing or use process.

g. A method of explosion control shall be provided where Class 2 water-reactive materials can form potentially explosive mixtures.

**[F] TABLE 414.5.1  
EXPLOSION CONTROL REQUIREMENTS a**


**Section 414 Hazardous Materials (cont.)**

- Section 414 – Hazardous Materials (cont.)
  - 414.5 Inside storage, dispensing and use.
  - 414.6 Outdoor storage, dispensing and use.
  - 414.7 Emergency alarms.

**Section 414 Hazardous Materials (cont.)**


- Section 415 – Groups H-1, H-2, H-3, H-4, and H-5
  - 415.1 Scope. The provisions of this section shall apply to the storage and use of hazardous materials in excess of the maximum allowable quantities per control area listed in Section 307.9. Buildings and structures with an occupancy in Group H shall also comply with the applicable provisions of Section 414 and the Fire Code of New York State





## BCNYS Limitations for Group H Occupancies

- **Travel Distances**
  - Table 1015.1
    - Reflects the maximum distance a person is allowed to travel from any point in a building to the nearest exit along a natural and unobstructed path
    - Travel distance limitations for Group H occupancies are based on an analysis of materials in each classification and their potential threat to occupants and first responders



OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, I-1, M, R, S-1	200	250 b
B	200	300 c
F-2, S-2, U	300	400 b
H-1	Not Permitted	75 c
H-2	Not Permitted	100 c
H-3	Not Permitted	150 c
H-4	Not Permitted	175 c
H-5	Not Permitted	200 c
I-2, I-3, I-4	150	200 c



For SI: 1 foot = 304.8 mm.

a. See the following sections for modifications to exit access travel distance requirements:  
 Section 1024.2 For the distance limitation in malls.  
 Section 1024.4 For the distance limitation through an atrium space.  
 Section 1015.2.2 For increased limitation in Groups F-1 and S-1.  
 Section 1024.7 For increased limitation in assembly seating.  
 Section 1024.7.2 For increased limitation for assembly open-air seating.  
 Section 1015.2.2 For buildings with one exit.  
 Chapter 31 For the limitation in temporary structures.



b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where sprinkler systems according to Section 903.3.1.2 are permitted.

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

TABLE 1015.1  
EXIT ACCESS TRAVEL DISTANCE





## BCNYS Chapter 9 – Fire Protection Systems


## Fire Protection Systems

- **Section 903 – Automatic Sprinkler Systems**
  - 903.2.4 Group H. Automatic sprinkler systems shall be provided in high-hazard occupancies as required in Sections 903.2.4.1 through 903.2.4.3
    - 903.2.4.1 General. An automatic sprinkler system shall be installed in Group H occupancies.
    - 903.2.4.2 Group H-5 occupancies


## Fire Protection Systems (cont.)


- **Section 903 – Automatic Sprinkler Systems**
  - 903.2.13 Other required suppression systems
  - Table 903.2.13 – Additional Required Fire-Extinguishing Systems
- **Section 906 – Portable Fire Extinguishers**
  - Table 906.1 – Additional Required Portable Fire Extinguishers

## Fire Protection Systems (cont.)



- **Section 907 – Fire Alarm and Detection Systems**
  - 907.2.5 Group H. A manual fire alarm system shall be installed in Group H-5 occupancies and in occupancies used for the manufacture of organic coatings. An automatic fire detection system shall be installed for highly toxic gases, organic peroxides, and oxidizers in accordance with Chapters 37, 39, and 40 respectively







### Fire Protection Systems (cont.)

- Section 908 – Emergency Alarm Systems
  - 908.1 Group H occupancies
  - 908.2 Group H-5 occupancy
  - 908.3 Highly toxic and toxic materials.






### Fire Protection Systems (cont.)

- Section 910 – Smoke and Heat Vents
  - 910.2.2 Group H.
- Section 911 – Explosion Control
  - 911.1 General.
  - Table 911.1 – Explosion Control Requirements






### FCNYS Chapter 27 – Hazardous Materials General Provisions



### Hazardous Materials General Provisions

- FCNYS Chapter 27
  - Establishes the scope of Chapter 27 with respect to Chapters 28-44. Chapter 27 superimposes itself over the other chapters of the FCNYS.
  - Provides general procedural and handling provisions for all hazardous materials regardless of quantity.
  - Provides alternative design methods for hazardous materials, including the control area concept and the Group M and S occupancy storage option.

### Hazardous Materials General Provisions (cont.)

- FCNYS Chapter 27 (cont.)
  - Contains some specific storage requirements for hazardous materials in excess of the maximum allowable quantities when referenced by applicable code sections in Chapters 28-44.
  - Provides specific requirements for the dispensing and use of hazardous materials in excess of the maximum allowable quantities.

### Hazardous Materials General Provisions (cont.)

- Section 2701 – General
  - 2701.1 Exceptions
  - 2701.3 Performance-based design alternative
- Section 2703 – General Requirements
  - Applies to all hazardous material storage and use no matter quantity or occupancy
- Section 2704 – Storage (Exceeding MAQ)
- Section 2705 – Use, Dispensing, and Handling (Exceeding MAQ)

