

STAKEHOLDER WORKGROUP MEETING

Fire Code Edits Workgroup

Thursday, May 28, 2020

9:30 a.m.

Online Only at the following link:

<https://vadhcd.adobeconnect.com/rhlwylc374pi/>

I. Welcome and Introductions

II. Summary of Proposal Recommendations:

5904.1

FSB Comments: Scoping section that references the general storage requirement of Chapter 50.

Comments: Change reference to Table 5003.1.1(1) to applicable building code.

Approved as Amended

5904.1.1

FSB Comments: Restores technical guidance for storage requirements. These limits go back to 1978.

Comments: Consensus Approval

5904.1.2

FSB Comments: Restores technical guidance for storage requirements, these limits go back to the 1996 BOCA codes.

Comments: None

Consensus Approval

5904.1.3

FSB Comments: Prohibits storage of flammable solids in basements.

Comments: None

Consensus Approval

5906.2

FSB Comments: Restores scoping and editorial language for subsequent subsections.

Comments: None

Consensus Approval

5906.2.1

FSB Comments: Restores technical requirements for storage operations, this is a general criterion for a section that typically refers to magnesium storage.

Comments: None

Consensus Approval

5906.2.2

FSB Comments: Restores technical requirements for storage operations. This section recognizes the increased hazard of storing magnesium in nonsprinklered buildings.

Comments: Add "Unless otherwise approved in accordance with the applicable building code..." to the beginning.

Approved as Amended

5906.2.3

FSB Comments: Restores technical requirements for storage operations. This section recognizes the increased hazard of storing magnesium in nonsprinklered buildings.

Comments: Add "Unless otherwise approved in accordance with the applicable building code..." to the beginning.

Approved as Amended

5906.3.1

FSB Comments: Restores technical requirements for storage operations. This establishes max quantities for single piles and associated aisle width requirements.

Comments: Add "Unless otherwise approved in accordance with the applicable building code..." to the beginning.

Approved as Amended

5906.4

FSB Comments: This is a scoping section.

Comments: None

Consensus Approval

5906.4.2

FSB Comments: Restores technical provisions for storage arrangements. Adds container requirement for fine magnesium scrap.

Comments: None

Consensus Approval

5906.4.3

FSB Comments: Restores technical provisions for storage arrangements and operations for fine magnesium scrap.

Comments: None

Consensus Approval

5906.5

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.1

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.2

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.3

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.3.1

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.3.2

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.3.4

FSB Comments: These sections describe the requirements when using magnesium. This restores maintenance and operational requirements.

Comments: None.

Consensus Approval

5906.5.5

FSB Comments: Restores reference to NFPA 70 and Chapter 6 for maintenance of electrical equipment.

Comments: None

Consensus Approval

5906.5.6

FSB Comments: Restores technical language from the IFC and reference to NFPA 70. This requirement is intended to reduce the likelihood of a static buildup that could produce a flammable spark.

Comments: None

Consensus Approval

6003.1.4.1

FSB Comments: Restores the requirement for maintaining floors as liquid tight in accordance with the applicable building code.

Comments: Re-arrange the text to match other sections for liquid-tight flooring requirements.

Approved as Amended

6003.1.4.2

FSB Comments: Operational requirement for locating highly toxic materials in proper storage areas.

Comments: Adds "Unless otherwise approved" after the Section reference.

Approved as Amended

6004.2.2.6

FSB Comments: Restores item 2 with maintenance language.

Comments: Re-arrange item 2 to clarify for grammar.

Approved as Amended

6004.2.2.8

FSB Comments: Restores reference to Chapter 6 and NFPA 70 for maintenance and operation of emergency power.

Comments: Corrected chapter reference to Chapter 12, not 6.

Approved as Amended

6004.2.2.9

FSB Comments: Restores maintenance language for fire detection systems here provided.

Comments: Re-arrange the text for grammatical correctness.

Approved as Amended

6103.1

FSB Comments: Limits the scope to installation of portable equipment.

Comments: Mike O'Connor had some concerns for his businesses and wanted further time to discuss.

Tabled

6104.1

FSB Comments: Limits the scope to installation of portable equipment.

Comments: Mike O'Connor had some concerns for his businesses and wanted further time to discuss.

Tabled

6109.11.2

FSB Comments: Restores a review by the building official for high hazard Group H occupancy requirements.

Comments: Mike O'Connor had some concerns for his businesses and wanted further time to discuss.

Tabled

6203.1

FSB Comments: Restores the proper direction for how to use this chapter. The provisions of this section complement the requirements of Chapter 50 for general storage.

Comments: None

Consensus Approval

6203.1.1

FSB Comments: Restores reference sections to the scoping section.

Comments: None

Consensus Approval

6203.1.1.1

FSB Comments: Restores limitations for certain occupancies where organic peroxides should not be located.

Comments: None

Consensus Approval

6203.1.1.3

FSB Comments: Higher explosive risk associated with these occupancies require protection for increased danger to occupants.

Comments: None

Consensus Approval

6203.1.1.4

FSB Comments: This section allows limited use and storage of organic peroxides and details compliance sections that must be followed.

Comments: None

Consensus Approval

6203.2

FSB Comments: This section refers back to general storage requirements in chapter 50 and adds those requirements to the requirements for organic peroxide storage.

Comments: None

Consensus Approval

6204.1.1

FSB Comments: Detached structures designed and constructed for the sole purpose of organic peroxide provide the best protection for people and property from fire.

Comments: None

Consensus Approval

6204.1.2 TABLE

FSB Comments: This table has the separation distances listed for minimizing effects of radiant heat.

Comments: Change title to "Distance to exposures from outdoor storage areas" and renumber as 6204.2.1

Approved as Amended

6204.1.2

FSB Comments: These clearances are intended to reduce the hazard to nearby structures and people.

Comments: None

Consensus Approval

6204.1.3

FSB Comments: Liquid tight requirements for floors in this section.

Comments: Rephrase to match other sections for liquid-tight flooring.

Approved as Amended

6204.1.4

FSB Comments: Restores reference to Chapter 6.

Comments: None

Consensus Approval

6204.1.5

FSB Comments: Provides the proper reference to Chapter 9 for maintenance of smoke detection systems.

Comments: Deletes the "and remains in accordance with the applicable building code."

Approved as Amended

6204.1.6

FSB Comments: This section lists the maximum allowable indoor storage quantities of organic peroxide.

Comments: Deleted reference to the Table in chapter 50.

Approved as Amended

6204.1.10

FSB Comments: Adds reference to Chapter 9 for indoor storage of explosives.

Comments: Delete “and remain in accordance with the applicable building code.”

Approved as Amended

6204.1.11

FSB Comments: Restores reference to Chapter 12.

Comments: Delete text after Section 1203 about “remain in compliance”.

Approved as Amended

6204.2.5

FSB Comments: Restores reference to Table 5003.8.2 for outdoor storage areas.

Comments: Table 5003.8.2 needs to be moved to 5003.12 and renamed as “Outdoor separation”. The top row of the table needs to strike detached building and replace with “Separation”.

6204.2.3

FSB Comments: Adds requirement for Outdoor Storage to comply with Table 6204.1.2.

Comments: None

Consensus Approval

6303.1

FSB Comments: Restores how this chapter is supposed to be used by referring back to Chapter 50.

Comments: Verify this section is consistent with other scoping sections that refer back to earlier storage requirements.

Consensus Approval

6303.1.1

FSB Comments: Some occupancies may have oxidizing materials on hand and these sections provide regulation for specific occupancy classifications.

Comments: None

Consensus Approval

6303.1.1.1

FSB Comments: Provides guidance for Class 4 liquid and solid oxidizers.

Comments: None

Consensus Approval

6303.1.1.1.1

FSB Comments: Provides requirements for Class 4 oxidizers in A, E, I or U occupancies.

Comments: None
Consensus Approval

6303.1.1.2

FSB Comments: Provides limits for Class 3 liquid and solid oxidizers.

Comments: None

Consensus Approval

6303.1.1.3

FSB Comments: Provides reference to Table 5003.1.1(1) for maximum quantities.

Comments: Deletes Table reference and replace with applicable building code.

Approved as Amended

6303.1.2

FSB Comments: Provides requirements for manual control points and automatic shutoff valves at each supply source and point of use for the flow of oxidizer gases.

Comments: Move “in accordance with the applicable building code” to after “shutoff valves”

Approved as Amended

6303.1.3

FSB Comments: Provides reference for control of ignition sources around oxidizers.

Comments: None

Consensus Approval

6303.2

FSB Comments: Restores reference to Table 6303.2.

Comments: None

Consensus Approval

6303.2 TABLE

FSB Comments: Table provides operational requirements for storage arrangements.

Comments: Change name to “Outdoor Storage of Class 1 Oxidizer Liquids and Solids”

Approved as Amended

6304.1

FSB Comments: Restores reference as to how to use this section and scoping.

Comments: Replace table reference with applicable building code.

Approved as Amended

6304.1.1

FSB Comments: Restores reference to Chapter 9 for maintenance of explosion control systems.

Comments: Delete “and remain in accordance with the applicable building code.”

Approved as Amended

6304.1.2

FSB Comments: Adds reference to Chapter 9.

Comments: Deletes “and remain in accordance with the applicable building code.”

Approved as Amended

6304.1.3

FSB Comments: Restores technical reference for liquid tight floors.

Comments: Rephrase to match other liquid tight flooring sections.

Approved as Amended

6304.1.4

FSB Comments: Restores reference to Chapter 9 for maintenance of smoke detection systems.

Comments: Deletes “and remain in accordance with the applicable building code.”

Approved as Amended

6304.1.5

FSB Comments: Restores references to tables and technical details for storage requirements of oxidizers.

Comments: None

Consensus Approval

6304.1.5(1) Table

FSB Comments: Restores table as a reference.

Comments: Renumber as 6304.2.2(1) and add “Outdoor” to title.

Approved as Amended

6304.1.5(2) Table

FSB Comments: Restores table as a reference.

Comments: Renumber as 6304.2.2(2) and add “Outdoor” to title.

Approved as Amended

6304.1.5(3) Table

FSB Comments: Restores table as a reference.

Comments: Renumber as 6304.2.2(3) and add “Outdoor” to title.

Approved as Amended

6304.1.8

FSB Comments: Restores reference to Table 5003.8.2 and Section 5003.8.2.

Comments: None

WITHDRAWN

6304.2.2

FSB Comments: Restores reference to how this section is used.

Comments: None
Consensus Approval

6305.1

FSB Comments: Restores reference to how this section is used and matches other scoping sections.

Comments: None

Consensus Approval

6306.4

FSB Comments: Since the VRC does not regulate MAQ this section establishes a maximum aggregate amount in dwelling units.

Comments: Delete table reference in item 1 and replace with applicable building code.

Approved as Amended

6403.1

FSB Comments: Restores direction as to how this chapter is used and brings in references to chapter 50 and other scoping sections.

Comments: None

Consensus Approval

6403.1.1

FSB Comments: Restores reference for emergency shutoff in compressed gas systems containing pyrophoric gas.

Comments: Rephrase to move the word maintained to the system being regulated and add "in accordance with the applicable building code."

6304.2

FSB Comments: This section provides guidance for quantities exceeding the MAQ table and complements chapter 50.

Comments: None

Consensus Approval

6404.1

FSB Comments: Restores critical reference to CGA G-13 and requirements in chapter 50.

Comments: Delete table reference and replace with "applicable building code."

Approved as Amended

6404.1.1

FSB Comments: Restores requirements for liquid tight floors.

Comments: Rephrase to match other liquid tight flooring sections.

Approved as Amended

6404.1.2

FSB Comments: Provides inside storage restrictions, including pile height, container arrangement and aisle width.

Comments: None

Consensus Approval

6404.1.3

FSB Comments: This section makes an important cross-reference to 5003.8.2.

Comments: Delete section reference.

Approved as Amended

6404.1.4

FSB Comments: Restores critical operation requirement for isolation and barriers.

Comments: Replace “applicable building code” with Chapter 7.

Approved as Amended

60404.2.2

FSB Comments: Adds reference to Chapter 9 for sprinkler systems.

Comments: Rephrase section for clarity.

Approved as Amended

6405.2

FSB Comments: Adds reference to Chapter 9 for sprinkler systems.

Comments: Rephrase section for clarity

Approved as Amended

6504.1

FSB Comments: Corrects erroneous section references for raw pyroxylin.

Comments: None

Consensus Approval

6504.1.1

FSB Comments: Provides important guidance for proper storage of excess material.

Comments: None

Consensus Approval

6504.1.3

FSB Comments: Provides important guidance for proper storage of excess material.

Comments: None

Consensus Approval

6504.2

FSB Comments: Provides reference to NFPA 13 for the correct type of fire protection system.

Comments: Adds the word “applicable” before NFPA 13 standard.

Approved as Amended

6603.1

FSB Comments: Scoping section to provide guidance for how to use this chapter.

Comments: None

Consensus Approval

6603.1.1

FSB Comments: This is a scoping section that incorporates the general requirements of Chapter 50.

Comments: None

Consensus Approval

6603.1.2

FSB Comments: Restores editorial language for operational use and storage.

Comments: None
Consensus Approval

6603.1.2.1

FSB Comments: Restores specific guidelines for location of unstable materials because of their higher explosive hazard.

Comments: None

Consensus Approval

6604.1

FSB Comments: This section regulates the indoor storage of reactive material and provides scoping references to Chapter 50 and the MAQ Table.

Comments: Delete reference to Table and replace with applicable building code.

Consensus Approval

6604.1.1

FSB Comments: Restores reference to 5003.8.2.

Comments: Replaces reference to 5003.8.2 with applicable building code.

Approved as Amended

6604.1.2

FSB Comments: Restores reference to Chapter 9 for explosion control maintenance areas.

Comments: Delete “and the applicable building code.”

Approved as Amended

6703.1

FSB Comments: Restores editorial references and guidance as to how this chapter is to be applied and brings in other scoping sections for storage.

Comments: None

Consensus Approval

6703.2

FSB Comments: Restores editorial references and guidance as to how this chapter is to be applied.

Comments: None

Consensus Approval

6704.1

FSB Comments: Restores editorial language describing how to use the chapter.

Comments: Delete reference to Table 5003.1.1(1).

Approved as Amended

6704.1.1

FSB Comments: Restores clarification and adds Section 5003.8.2 for reference.

Comments: Deletes reference to 5003.8.2

Approved as Amended

6704.1.2

FSB Comments: Restores the term liquid tight to this section for flooring and brings in the chapter 50 reference.

Comments: Rephrase to match other liquid-tight flooring sections.

Approved as Amended

6704.1.3

FSB Comments: Restores the critical requirement to maintain a waterproof room where required for water reactive solids.

Comments: None

Consensus Approval

6704.1.5

FSB Comments: Restores technical details and requirements for proper operation storage.

Comments: None

Consensus Approval

6704.1.6

FSB Comments: Restores technical details as well as reference to Chapter 9 for explosion control maintenance.

Comments: Delete “and the applicable building code.”

6704.2.5

FSB Comments: Restores reference to 5004.2.2.

Comments: Delete “and the applicable building code.”

Approved as Amended

III. Adjournment