

SUMMARY

DHCD WORKGROUP MEETING 2012 Code Change Cycle

August 22, 2013 at 9:30

Virginia Housing Center

PART ONE OF AGENDA

Administrative

- | |
|---|
| 1. USBC 103.10 IECC 101.7 –Explanation was given that the purpose of this change is to make it clear that low energy buildings were referenced. There was discussion on if this will work in this section of code and opinions that the change is too ambiguous. Non-consensus for now; will be carried over to October 11th meeting with revised change. Code change shown at meeting attached. |
| 2. 108.2 Exemptions – Flagpoles – Some believed that laundry list made it more uniform; some believed that flexibility was better. A number of examples were discussed where counties are split down the middle. Non Consensus (J. Catlett’s change) for subjective language. Consensus to approve F. Castelvechi’s change. |
| 3. 108.2 Exemptions – Ramps – (temporary ramps for dwelling units). There was support for the concept but opinions that language needs further work/specificity. Non-consensus for now; proponent should revise to indicate temporary ramps only. Will be carried over to October 11th meeting if revised (submit to DHCD no later than September 20th). |
| 4. 108.1 and 3411.9.5 Accessible parking – discussion on evolution of change to make it less stringent. Latest proposal reviewed. Will be incorporated in IEBC. Consensus to approve concept; will be carried over to October 11th meeting for review of suggested revisions. |
| 5. R311.2.1 Interior door openings. Discussion on changes that need to be made. Rewrite in emails was felt to work better by clarifying the requirement only applies if the rooms are provided. Consensus to approve J. Catlett’s change in concept. Will be carried over to October 11th meeting with preferred language from V. Hodge (in emails attached to supplement) deleting powder rooms and defining main living area. |
| 6. 1106.3 – Outpatient parking – Revised change exempts medical offices in residences. No agreement on whether medical offices sharing space with other occupants should be exempted. Non-consensus for now; will be carried over to October 11th meeting with revised change. Code change shown at meeting attached. |
| 7. 107.1.3 and VADR – Generator fees – Discussion on fee amount, NFPA 70 compliance, 3rd party inspectors. Support for having uniformity. J. Catlett will revise based on discussion. Consensus to approve if revised. Will be carried over to October 11th meeting if revised (submit to DHCD no later than September 20th). |
| 8. VADR New Part VIII – Zip lines – Consensus. |
| 9. A75D – Certificate of Inspection – displaying – Consensus to deny. |

10.A200 – Certificate of Inspection – calendar year – Consensus to deny.
11. IBSR 13VAC5-91-260 – Clarify if manufacturer can purchase seals – Consensus to approve.

USBC VCC

1. IBC 310 – Move IBC 310 into appendix - proponent has withdrawn. DHCD will address with ICC.
2. IBC 408.2 – Short term holding areas – lengthy discussion on “main use”. There was agreement that language needs further work. Proponent will try to work on revision. Non-consensus for now; will be carried over to October 11th meeting.
3. 705.2- Projections – there is some support but agreement that there is missing language. Non consensus.
4. 706.5.2 – Horizontal projections - Non consensus.
5. 712.1.3 Exit stairway exemption - Consensus to deny.
6. 903.2.3 – Group E exemption – change deletes current exception (up to 20,000 sq. feet) and brings back to IBC 12,000 sq. feet threshold. Consensus to approve.
7. 903.2.8 – Group R - deletes exception for areas without sufficient water supply. Discussion on ability of domestic potable water supply to support. Lengthy discussion. Many comments so group was asked to state their opinion. Vast majority stated, “ Non-consensus ”.
8. N/A
9. 908.7 – Group E CO alarms – This is in response to legislation. Non-consensus for now; will be carried over to October 11th meeting.
10. 1008.1.9.7 – Delayed egress locks - Lengthy discussion. Several stakeholders will review for possible revisions. Non-consensus for now; will be carried over to October 11th meeting if revised (submit to DHCD no later than September 20th).
11. 1008.1.9.8 Sensor release of electronically controlled delayed egress locks. Discussion on how ICC will be combining language that resulted from two code changes. DHCD will check with ICC to see how it will be correlated. Discussion on requirement of a motion sensor. Consensus to approve if language matches ICC language from combined changes.
12. 1016.2.2 Travel distance F and S - discussion on limit. Matches 2015 ICC change. Consensus to approve.
13. 1021.1 Exit stairway - Discussion on language being confusing. There was opposition because of the complete rewrite and the need for it to be looked at as a whole. Proponent feels this needs to be looked at from a level of safety that was removed. It was suggested that proponent meet with R. Clements and R. Fortner to review the CTC change in its entirety. Consensus to deny.
14. 1403.2 Air barriers - Discussion on air barrier and vapor barrier confusion amongst different building officials. Consensus to approve if revised; will be carried over to October 11th meeting if revised (submit to DHCD no later than September 20th).
15. 1403.5 – Water resistance barrier - Consensus on option one.
16. 1407.10.4 – Full scale tests (NFPA 285) - Consensus on option #1. Proponent wants option #4 carried forward to BHCD as an alternative.
17. 2603.5.5 Vertical and lateral flame propagation - Consensus on option #1. Option #2 withdrawn. Proponent wants option #3 carried forward to BHCD as an alternative.
18. 2902.1- Fixture calculations (allows portable toilets) - discussion on how to calculate, accessibility compliance, use of portable toilets when nothing is being built. Non-consensus.
19. 3006.4 – Elevator control rooms – rating – Consensus to approve.

20.3412.2.2 – Partial change of occupancy exception – Withdrawn.
21.415.1.1 and 414.6.2 – UST removal – Review and discussion of subgroup work, simply clarifies who and what controls removal of underground tanks, including the requirements of state water control board. Group present is in general consensus. Consensus to approve in concept but needs further review. Will be carried over to October 11th meeting. Code change shown at meeting attached.
22.2306.7.1 E -85 UL listing– Consensus to approve.
23. Southern Pine Tables – Consensus to approve.
24. USBC/SFPC Section 202 – Nightclubs - IBC Committee does not support proposed or 2015 change. Discussion on necessity to take measures to prevent an event similar to the one in Rhode Island from happening in Virginia. Discussion on need to determine threshold for main use, teen centers that don't allow alcohol (dance floor was left out of definition); Discussion on whether to consider main use or call it mixed use. Sub-group to be convened to review issue. Non-consensus for now. Will be carried over to October 11th meeting.
25. IBC/IFC T307.1, IFC 5003.1.1 and T2703.1.1 – Storage of 1.4G Removes footnote “d” - discussion of use of same pyrotechnic material in permissible fireworks. Explanation that 125 lb gross is allowed. If sprinkled, 1,000 lb gross can be allowed. NFPA opposes footnote “d”. Consensus to approve. DHCD placeholder on permissible fireworks will be reviewed at October 11th meeting.
26. 1203.6 – Smoking in restaurants – Moves language from MOA between DSS and DHCD into USBC construction requirements. Minor revisions suggested. Consensus to approve unless suggested revisions are submitted.
27. IBC Chapter 30 – Elevators – IPC 1003.4 Deletes exception separators in hydraulic elevator pits. Discussion on oil separators not being required due to exception. Statements that most buildings have sensors in lieu of separators. Consensus to deny.
28. NFPA 45 – Revised code change submitted following sub group meeting. Discussion on purpose to allow laboratories to use their upper level floors for efficiently. Statement that this was looked at thoroughly a few years ago and chapter 5 of the mechanical code is sufficient. Building officials opposed. Discussion on this is being offered as an alternative to building owners because current code is very limited on quantities. Sub group will meet again to review. See attached comment letters. Non-consensus for now. Will be carried over to October 11th meeting.

PART TWO OF AGENDA

IRC

1. IRC R311.3.1 - Exterior landing. Consensus to approve.
2. IRC R402.2.13 - Mechanical room ventilation. Discussion on difficulty to comply with change. Lack of data to show how much energy would be saved. Non consensus. VRC N1102.4.5 – Equipment room isolation. Discussion of unintended consequences. Same lack of data on energy savings. Non-consensus.
3. IRC R403.1. - New exception. Footings not required for ramps no more than 30” above grade (R-3 AND R-5) – Support if amended to specify temporary aluminum ramps. Consensus to approve if amended (submit to DHCD no later than September 20th). Will be carried over to October 11th meeting.
4. IRC Energy 403.2.2 and 403.2.2.2 – Sealing/Visual Inspection. Requires duct testing. Consensus to deny.
5. IRC R403.4.2 and 403.6. M1401.3 – Energy, Equipment, Appliance sizing. Some had an

<p>issue with striking number 3 and would like to put it back in with the words “sufficient to meet the demands” The reason is that large builders using a contract with a specific carrier may only have a 4 or a 5 ton and not a 4 ½. This would permit them to go up to the five to be able to stay with their supplier. ACCA recognized that these issues, and built in the ability for the manufacturer to certify. Will work together and come back with a compromise. Non-consensus for now. Will be carried forward to October 11th meeting if revised (submit to DHCD no later than September 20th).</p>
<p>6. IRC R602.3.1- Tall walls. Discussion that this change solves a common problem with tall walls. Consensus to approve.</p>
<p>7. IRC R806 - Roof ventilation. Will be carried over to October 11th meeting.</p>
<p>8. IRC M1501.2 - Transfer air. Has been revised and will be submitted. Will be carried over to October 11th for review of revision.</p>
<p>9. IRC 1503.4 - Makeup air. RM34 was approved and that was an NAHB change and it didn't contain this language. Non-consensus for now. Will be carried over to the October 11th meeting to consider RM34.</p>
<p>10. IRC G2411 - CSST standard. Standard is not finalized yet. This will be carried over to the October 11th meeting.</p>
<p>11. IRC R507 – Decks. Complete replacement of section. ICC is being asked to create an adhoc committee to study deck specifications. Non-consensus for now. Will be carried over to the October 11th meeting if revised (submit to DHCD no later than September 20th).</p>
<p>12. IRC R507.2 and 5067.2.3 – Decks. Three changes. J. Trenary change – nonconsensus. B. Deam (page 193 of packet) – non-consensus. B. Deam (page 194 of packet) – consensus to approve if needed.</p>
<p>13. IRC 202 - Habitable attic. Leave as is or consider 1/3 floor below. Non consensus.</p>
<p>14. IRC E3902.2 - garage GFCI for freezers and garage door openers. HBAV supports. NEMA IAEI opposes. Comments on shock exposure, most garage doors having battery backups. Non consensus.</p>
<p>15. IRC Tables for Southern Pine lumber. Consensus to approve (with correction of noted typo by proponent).</p>
<p>16. IRC 607.2 – Length of hot water pipe – this should be an IPC change, not IRC. Needs review. Non-consensus for now. Will be carried over to October 11th meeting for review if revised (submit to DHCD no later than September 20th).</p>

VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): Individual Government Entity Company

Name: Michael Redifer

Representing: City of Newport News

Mailing Address: 2400 Washington Avenue 3rd flr Newport News, VA 23607

Email Address: mredifer@nngov.com

Telephone Number: 757-926-8861

Proposal Information

Code(s) and Section(s): Virginia Construction Code Section 103.10

Proposed Change (including all relevant section numbers, if multiple sections):

Add Item 7 to 103.10 as follows (no changes to existing text)

7. Sections C101.4, C101.5, R101.4 and R101.5 of the IECC except where such provisions are more restrictive than the VCC for additions, alterations, renovations or repairs.

Supporting Statement (including intent, need, and cost impact of the proposal):

Section 101.7 deletes administrative provisions of the referenced model codes in order to reduce potential conflict with Chapter 1 of the VCC. Specific administrative and testing provisions contained within the model codes are incorporated by reference through Section 103.10. Important scoping provisions are contained within Chapter 1 of the IECC. Among them are exemptions for historic and low energy buildings. Without this proposed change, applying these exemptions is questionable and without the exemptions the VCC becomes significantly more restrictive than the model code and results in increased costs. Additionally, depending on the scope of work involved, Sections C101.4.3 and R101.4.3 can be more restrictive than the VCC has traditionally been applied with respect to alterations so the excepting language is included to point out that retrofitting of windows, insulation, etc. is not required where otherwise exempted by language within the VCC.

NOTE:

Although referencing only the section numbers of the IECC is in keeping with the structure of VCC 103.10, the following full text from IECC Sections C101.4, C101.5, R101.4 and R101.5 is provided in an effort to eliminate the need to refer to another document while considering this proposal.

C101.4 Applicability. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between the general requirement and a specific requirement, the specific requirement shall govern.

C101.4.1 Existing buildings. Except as specified in this chapter, this code shall not be used to require the removal, *alteration* or abandonment of, nor prevent the continued use and maintenance of, an existing building or building system lawfully in existence at the time of adoption of this code.

C101.4.2 Historic buildings. Any building or structure that is listed in the State or National Register of Historic Places; designated as a historic property under local or state designation law or survey; certified as a contributing resource with a National Register listed or locally designated historic district; or with an opinion or certification that the property is eligible to be listed on the National or State Registers of Historic Places either individually or as a contributing building to a historic district by the State Historic Preservation Officer or Keeper of the National Register of Historic Places, are exempt from this code.

C101.4.3 Additions, alterations, renovations or repairs. Additions, alterations, renovations or repairs to an existing building, building system or portion thereof shall conform to the provisions of this code as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code. Additions, alterations, renovations or repairs shall not create an unsafe or hazardous condition or overload existing building systems. An addition shall be deemed to comply with this code if the addition alone complies or if the existing building and addition comply with this code as a single building.

Exception: The following need not comply provided the energy use of the building is not increased:

1. Storm windows installed over existing fenestration.
2. Glass only replacements in an existing sash and frame.
3. Existing ceiling, wall or floor cavities exposed during construction provided that these cavities are filled with insulation.
4. Construction where the existing roof, wall or floor cavity is not exposed.
5. Reroofing for roofs where neither the sheathing nor the insulation is exposed. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. Replacement of existing doors that separate *conditioned space* from the exterior shall not require the installation of a vestibule or revolving door, provided, however, that an existing vestibule that separates a *conditioned space* from the exterior shall not be removed.
7. Alterations that replace less than 50 percent of the luminaires in a space, provided that such alterations do not increase the installed interior lighting power.
8. Alterations that replace only the bulb and ballast within existing luminaires in a space provided that the *alteration* does not increase the installed interior lighting power.

C101.4.4 Change in occupancy or use. Spaces undergoing a change in occupancy that would result in an increase in demand for either fossil fuel or electrical energy shall comply with this code. Where the use in a space changes from one use in Table C405.5.2 (1) or (2) to another use in Table C405.5.2 (1) or (2), the installed lighting wattage shall comply with Section C405.5.

C101.4.5 Change in space conditioning. Any nonconditioned space that is altered to become *conditioned space* shall be required to be brought into full compliance with this code.

C101.4.6 Mixed occupancy. Where a building includes both *residential* and *commercial* occupancies, each occupancy shall be separately considered and meet the applicable provisions of IECC – Commercial Provisions or IECC – Residential Provisions.

C101.5 Compliance. *Residential buildings* shall meet the provisions of IECC – Residential Provisions. *Commercial buildings* shall meet the provisions of IECC – Commercial Provisions.

C101.5.1 Compliance materials. The *code official* shall be permitted to approve specific computer software,

working sheets, compliance manuals and other similar materials that meet the intent of this code.

C101.5.2 Low energy buildings. The following buildings, or portions thereof, separated from the remainder of the building by *building thermal envelope* assemblies complying with this code shall be exempt from the *building thermal envelope* provisions of this code:

1. Those with a peak design rate of energy usage less than 3.4 Btu/h-ft² (10.7 W/m²) or 1.0 watt/ft² (10.7 W/m²) of floor area for space conditioning purposes.
2. Those that do not contain *conditioned space*.

R101.4 Applicability. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between the general requirement and a specific requirement, the specific requirement shall govern.

R101.4.1 Existing buildings. Except as specified in this chapter, this code shall not be used to require the removal, *alteration* or abandonment of, nor prevent the continued use and maintenance of, an existing building or building system lawfully in existence at the time of adoption of this code.

R101.4.2 Historic buildings. Any building or structure that is listed in the State or National Register of Historic Places; designated as a historic property under local or state designation law or survey; certified as a contributing resource with a National Register listed or locally designated historic district; or with an opinion or certification that the property is eligible to be listed on the National or State Registers of Historic Places either individually or as a contributing building to a historic district by the State Historic Preservation Officer or Keeper of the National Register of Historic Places, are exempt from this code.

R101.4.3 Additions, alterations, renovations or repairs. Additions, alterations, renovations or repairs to an existing building, building system or portion thereof shall conform to the provisions of this code as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code. Additions, alterations, renovations or repairs shall not create an unsafe or hazardous condition or overload existing building systems. An addition shall be deemed to comply with this code if the addition alone complies or if the existing building and addition comply with this code as a single building.

Exception: The following need not comply provided the energy use of the building is not increased:

1. Storm windows installed over existing fenestration.
2. Glass only replacements in an existing sash and frame.
3. Existing ceiling, wall or floor cavities exposed during construction provided that these cavities are filled with insulation.
4. Construction where the existing roof, wall or floor cavity is not exposed.
5. Reroofing for roofs where neither the sheathing nor the insulation is exposed. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. Replacement of existing doors that separate *conditioned space* from the exterior shall not require the installation of a vestibule or revolving door, provided, however, that an existing vestibule that separates a *conditioned space* from the exterior shall not be removed.
7. Alterations that replace less than 50 percent of the luminaires in a space, provided that such alterations do not increase the installed interior lighting power.
8. Alterations that replace only the bulb and ballast within existing luminaires in a space provided that the *alteration* does not increase the installed interior lighting power.

R101.4.4 Change in occupancy or use. Spaces undergoing a change in occupancy that would result in an increase in demand for either fossil fuel or electrical energy shall comply with this code.

R101.4.5 Change in space conditioning. Any nonconditioned space that is altered to become *conditioned space* shall be required to be brought into full compliance with this code.

R101.4.6 Mixed occupancy. Where a building includes both *residential* and *commercial* occupancies, each occupancy shall be separately considered and meet the applicable provisions of IECC – Commercial Provisions or IECC – Residential Provisions.

R101.5 Compliance. *Residential buildings* shall meet the provisions of IECC – Residential Provisions. *Commercial buildings* shall meet the provisions of IECC – Commercial Provisions.

R101.5.1 Compliance materials. The *code official* shall be permitted to approve specific computer software, working sheets, compliance manuals and other similar materials that meet the intent of this code.

R101.5.2 Low energy buildings. The following buildings, or portions thereof, separated from the remainder of the building by *building thermal envelope* assemblies complying with this code shall be exempt from the *building thermal envelope* provisions of this code:

1. Those with a peak design rate of energy usage less than 3.4 Btu/h-ft² (10.7 W/m²) or 1.0 watt/ft² (10.7 W/m²) of floor area for space conditioning purposes.
2. Those that do not contain *conditioned space*.

Submittal Information

Date Submitted: November 29, 2012 (revised 1/3/13 and 4/16/13)

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR SBCO (State Building Codes Office)
600 East Main Street
Suite 300
Richmond, VA 23219

Email Address: Vernon.hodge@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7150



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): Individual Government Entity Company

Name: John Catlett

Representing: VBCOA Administrative Code Change Com.

Email Address: john.catlett@ alexandriava.gov

Telephone Number: 703-746-4182

Proposal Information

Code(s) and Section(s): USBC, Virginia Construction Code Section 1106.3

Option 1 (b)

Proposed Change (including all relevant section numbers, if multiple sections):

Change Section 1106.3 to read as follows:

1106.3 ~~Hospital-outpatient~~ Outpatient clinics, ambulatory health care and medical facilities/offices. At least 10 percent, but not less than one, of care recipient and visitor parking spaces provided to serve ~~hospital outpatient~~ clinics, ambulatory health care facilities and medical facilities/offices shall be accessible parking spaces.

Exceptions:

1. Medical facilities/offices located within strip malls, or sharing a common parking area with non-medical commercial businesses.
2. Medical offices located in residence of the service provider.

Supporting Statement (including intent, need, and impact of the proposal):

The VBCOA Administrative Provisions Committee generally supported Option 1. However, two minor changes are needed.

The first is to format the change consistent with standard code language by providing exceptions vs. exemptions.

The second is to apply the exception to home based practices that have small Parking Facilities associated with their practices.

Remaining justifications provided in Option 1 remain.

This proposal would require slightly more accessible parking spaces at newly constructed outpatient clinics, ambulatory surgery centers and medical facilities/offices. The IBC already requires the additional spaces for medical facilities which are on hospital campuses. An exemption for those medical facilities/offices located within strip malls, or sharing a common parking area with non-medical commercial businesses will be made.

Examples: An office would provide 2 accessible parking spaces if it had 20 parking spaces or 3 accessible parking spaces if it had 30 parking spaces. Minimal but efficacious changes.

Doctors and dentists, their associations and health insurance companies all repeatedly stress the critical importance of preventive health care. This proposal makes it more feasible for people with mobility limitations to participate in the preventive health care imperative, the purposes of which are to enhance people's quality of life, keep people out of hospitals insofar as possible and reduce health care costs.

Submittal Information

Date Submitted: August 12, 2013

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR TASO (Technical Assistance and Services Office)
The Jackson Center
501 N. 2nd Street
Richmond, VA 23219-1321

Email Address: taso@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7140 or (804) 371-7150



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): Individual Government Entity Company

Name: George Hollingsworth

Representing: Fairfax County

Mailing Address: 10700 Page Avenue, Fairfax, Virginia 22030

Email Address: George.hollingsworth@fairfaxcounty.gov

Telephone Number: 703-228-3848

Proposal Information

Code(s) and Section(s): 2012 VCC and 2012 SFPC

Proposed Change (including all relevant section numbers, if multiple sections):

Delete Section 415.1.1 of the VCC and add Section 414.6.2 to the IBC (as part of the VCC) to read as follows:

~~415.1.1 Flammable and combustible liquids. Notwithstanding the provisions of this chapter, the storage, handling, processing, and transporting of flammable and combustible liquids shall be in accordance with the mechanical code and the fire code listed in Chapter 35 of this code. Regulations governing the installation, repair, upgrade, and closure of underground and aboveground storage tanks under the Virginia State Water Control Board regulations 9 VAC 25-91 and 9 VAC 25-580 are adopted and incorporated by reference to be an enforceable part of this code. Where differences occur between the provisions of this code and the incorporated provisions of the State Water Control Board regulations, the provisions of the State Water Control Board regulations shall apply.~~

414.6.2 Other regulations. The installation, repair, upgrade and closure of underground and aboveground storage tanks subject to the Virginia State Water Control Board regulations 9VAC25-91 and 9VAC25-580 shall be governed by those regulations, which are hereby incorporated by reference to be an enforceable part of this code. Where differences occur between the provisions of this code and the incorporated provisions of the State Water Control Board regulations, the provisions of the State Water Control Board regulations shall apply. Provisions of the International Fire Code addressing closure of such tanks which are subject to the Virginia State Water Control Board regulations 9VAC25-91 and 9VAC25-580 shall not be applicable.

Add Section 5701.1.1 to the IFC (as part of the SFPC) to read as follows:

5701.1.1 Other regulations. Provisions of the Virginia State Water Control Board regulations 9VAC25-91 and 9VAC25-580 addressing the maintenance and operational aspects of underground and aboveground storage tanks subject to those regulations are hereby incorporated by reference to be an enforceable part of this code. Where differences occur between the provisions of this code and the incorporated provisions of the State Water Control Board regulations, the provisions of the State Water Control Board regulations shall apply.

Note: For requirements for the installation, repair, upgrade and closure of such tanks, see Section 414.6.2 of the Virginia Construction Code.

Add the following exception to Section 5704.2.13.1.3 of the IFC (as part of the SFPC) to read:

Exception: : Underground storage tanks subject to the Virginia State Water Control Board regulations 9VAC25-91 and 9VAC25-580.

Supporting Statement (including intent, need, and cost impact of the proposal):

This proposal rewords the provision of the VCC for the incorporation of the State Water Control Board's regulations for underground and aboveground fuel tanks moving it to a more appropriate section of the International Building Code and clarifying that the requirements for the closure of such tanks are limited to only those requirements in the State Water Control Board's regulations.

The changes to the SFPC will direct Fire Marshals and Fire Inspector to 9VAC25-91 and 9VAC25-58 to determine the State Water Control Board's authority before enforcing the SFPC.

The proposal is the result of a sub-workgroup meeting for tanks facilitated by the Department of Housing and Community Development during the 2012 code change process which reviewed both the supplemental information provided in the Department's Related Laws Package and the existing code provisions for tanks. The sub-workgroup members were from both fire and building code enforcement departments and from the tank industry.

Submittal Information

Date Submitted: 7/29/2013

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR SBCO (State Building Codes Office)
600 East Main Street
Suite 300
Richmond, VA 23219

Email Address: Vernon.hodge@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7150





Environmental Health & Safety Office



August 19, 2013

Ron Reynolds, MPA, MPH, CBO, CFO
Deputy, State Fire Marshal's Office
1005 Technology Park Drive
Glen Allen, VA 23059
Office 804-612-7268
Fax 804-371-3367

Re: NFPA 45 Code Change Proposals for Laboratories - 2012 Building and Fire Codes

Mr. Reynolds,

The incorporation of NFPA 45 Standard on Fire Protection for Laboratories Using Chemicals as an alternative, or exception, to the VCC requirements for the handling, storage, and use of hazardous materials is strongly desired by George Mason University due to the age of our buildings and activities conducted therein. Many of our buildings were constructed prior to the development of the control area concept and are therefore not designed to incorporate multiple control areas, especially in buildings with three or more stories.

At George Mason University we conduct routine inspections of laboratories and enforce, to the extent possible, the storage of hazardous chemicals in accordance with the Virginia Statewide Fire Prevention Code. In rare cases laboratories may exceed MAQ due to the construction date of campus buildings and the institutions focus on research and laboratory instruction. University laboratories that do or have the potential to exceed MAQ are sprinklered and provided flammable storage cabinets. In our professional assessment the adoption of NFPA 45 will continue to maintain a high standard of safety that can mitigate fires to the same extent that the current code attempts to achieve while allowing flexibility for unique activities such as research and teaching in university settings.

We support the State Fire Marshalls Office's request to incorporate NFPA 45 into the VCC on the grounds that it will be mutually beneficially for all parties concerned and allow a regulated, safe, and practical alternative to the burden of the current regulatory requirement. If I can be of any further assistance with regard to this matter please feel free to contact me at your convenience.

Respectfully,

David Farris, MBA, CHMM
Director Emergency Management and Fire Safety

From: Dillman, Robert P [mailto:dillman@wm.edu]

Sent: Tuesday, August 06, 2013 3:55 PM

To: 'Mays, Delphine (daa3x)'; gdean@dhcd.state.va.us; Gall, Elaine (ebg5x); Gerald Drumheller (gerald@virginia.edu); hinson@vt.edu; Allen, Ralph (roa2s); Reynolds, Ron (VDFFP)

Cc: Dillman, Robert P; Rudloff, David W

Subject: RE: NFPA 45 Code Change Proposal Meeting

I received a call from Gerald Drumheller about this issue. I support incorporating the portions of NFPA 45 into the Code that would give Fire Marshals, Building Officials and EH&S folks more latitude with respect to quantities of flammables and combustibles.

Bob Dillman

(William & Mary Building Official)

UVA Bullets Supporting NFPA 45

NFPA 45 provides a mechanism to control behavior and regulate chemicals in a manner that allows for quantities/density of chemicals needed for research methodology while maintaining a safe environment.

NFPA 45 looks at density of chemicals while allowing quantity levels needed in current (today's) research environment.

Several of our facilities were built prior to the development and implementation of the control area concept. The current fire code, if applied to existing facilities, would preclude and eliminate (shut down) research in many facilities that have always been utilized for research.

NFPA 45 was created specifically for laboratories by professionals. NFPA 45 was designed to achieve comprehensive laboratory fire prevention and protection to occupants and emergency personnel. NFPA 45 allows for the safe use of chemicals while not serving as an impediment to research.

University has a firm commitment to training and safe lab practices. Lab Safety Group coupled with the Fire Safety group performs inspections and lab visitations coupled with educational programs for lab personnel.

UVA has developed a "Sign Database" that tracks and indicates the type and amount of chemicals that are in the labs. Each lab has signage that indicates the classification of the lab, hazards, etc. This is a great tool for emergency response crews if they are called for an incident in a lab. UVA works closely with the Charlottesville Fire Department to insure they are educated to the fire risks in laboratories, coordinate emergency responses and guidelines, offer technical expertise during incidents, etc.

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