

Workgroup 2 (Fire Code Edits Only)
Virginia Housing Center
August 26, 2016

Cindy welcomed everyone and after attendee introductions, we started with **Chapter 24 of the Fire Code.**

Chapter 24 Flammable Finishes

2403.2.1, Electrical wiring and equipment.

Andrew Milliken asked to keep NFPA 70 reference, keep for maintenance.

2403.2.1.1 Flammable vapor areas.

Linda Hale keep NFPA 70 reference.

2403.2.1.2 Areas subject to deposits of residue.

Linda Hale says electrical equipment is struck. Why don't we want to maintain the electrical equipment?

Exception 1 of 2403.2.1.2

Linda Hale stated that there is nothing in here regarding maintenance.

Johnna Grizzard could we accept as permitted by applicable building code in which it was constructed and then leave the rest of it?

Linda Hale asked which flammable finishes they can use so that we know that the flammable limits have not changed or increased.

Richard Bartell stated you have to be aware of which building code was in effect during the time of construction to know what was allowed. You have to have reference to VCC and the appropriate year.

2403.2.1.3 Areas adjacent to spray booths.

Linda Hale stated that this is not just a construction statement we need to go back to the building official.

Johnna Grizzard stated I think this is the exact same language.

2403.2.5 Grounding.

Linda Hale stated that grounding maintenance language of NFPA 70 needs to remain.

Richard Bartell said shouldn't the VCC language regarding the building code that was in effect during the time of construction be included. If not, you are not going to know how to maintain unless you know what code was in effect when installed.

Emory Rodgers thanked Linda Hale for her comments For the proposed regulations; I am ok with NFPA 70.

Cindy Davis stated the grounding language should read something like this, the grounding must be maintained in accordance with the code under which originally constructed and in compliance with the maintenance sections of the applicable standards.

2404.3.1 Spray Rooms.

Linda Hale stated we need the maintenance capability language.

2404.3.1.1 Floor.

Linda Hale stated the cleaning operations need to be maintained in the code in which it was constructed.

Cindy Davis stated this language is specific to design and will be removed and placed in the appendix. We will say must be maintained in accordance in which it was constructed.

Robby Dawson (for the comment section) said if you want to place a Spray Room in, this is how it must be done? I can see a fire official saying you have to maintain it.

2404.3.2 Spray Booths.

Linda Hale stated the reference in NFPA 33 which has maintenance in it along with **2404.4.1 – 2404.8** are still applicable and should not be struck.

Cindy Davis stated that we will take a look at this.

Emory Rodgers stated that when we leave NFPA33 or NFPA70 references in, maybe we should direct the reader to the maintenance provision sections.

2403.2.1.4 Areas subject to overspray deposits.

Andrew Milliken stated we need to keep this.

2405 Dipping Operations.

William Andrews asked if the dipping tanks are going to be under the building code or portable tanks.

Glenn Dean said it doesn't have to be portable.

Johnna Grizzard said the building code sends you to the IFC. It is not exempt if it has hazardous materials.

Cindy Davis said that we would look at the whole 2405 Dipping Operations. If it is equipment it is exempt.

Richard Bartell stated it is the owner's decision as to what they use.

Emory Rodgers said we are leaving this in for maintenance. This language will be changed to maintenance language.

Glenn Dean stated it is being proposed in appendix N.

2404.3.2.5 Clear spaces. Robby Dawson stated maintenance provision should stay in. Take out shall be installed. Clear space must be maintained. Add shall be readily accessible for cleaning.

2404.3.2.5 Exceptions. Linda Hale stated that exceptions 1 & 2 were also struck.

Cindy Davis stated that when we struck the construction language in the fire code edit re-writes, we stated that we would go back and put maintenance language back in and place the construction requirements in the appendix. It is not showing up there yet, however, it will be placed there.

Glenn Dean asked if today was the last day for workgroup meetings.

Art Lipscomb asked when the comment period would stop.

Cindy Davis stated that the comment period never stops. For the purposes of putting it to the board, the board package needs to go out 10 days before the board meeting. Whatever comments we have up to this period will be forwarded to the board along with the new version. If there are comments between then we will probably take them to the board as a separate package because it will be too late to send out as part of the package. We are going to capture them; we are not going to ignore them. It will be revisited in October and then again in November.

The September board meeting requires a joint review by the SFPC joint code committee and the codes and standard counsel. They will take a look at each individual proposal and they will decide what to do with them based on what has been done at the workgroups. They are going to either approve them as consensus or non-consensus. Then in November the board will make a final decision.

We will have another chance to edit in the second half of the process with other workgroup meetings.

Henry Rosenbaum stated why not another meeting to go over comments. We would like to see the final version.

Cindy Davis stated that DHCD has blocked out every day next week for staff to work on this fire code edit to get the comments into cdpVA.

Robby Dawson stated why is this going so fast? This is such a big document, two weeks is not enough for everyone to look at, digest and make comments. I think this is inadequate time. I think this is the recommendation that should go before the board. I think that staff has the ability to make this decision.

William Lloyd stated “me to” that Robby Dawson speaks for a lot of us.

Linda Hale suggested the following:

2404.6.2.1 Glass panels. This is a maintenance issue to replace one appropriate glass panel with another. Keep.

2404.7.1 Operation. Linda Hale stated this is an operational section, why is it being struck? Keep.

Cindy Davis said we talked about this and this will stay. If it is there, it needs to be maintained.

2404.7.3 Air velocity. Keep, it needs to be maintained.

Cindy Davis stated she agreed.

2404.7.8 Filters. Must be maintained or replaced. Keep

2404.9.4 Electrical wiring. Keep

2405.3. Construction of dip tanks. All the maintenance will be kept

2404.7.2 Recirculation. Glenn Dean asked if this is taken out, what do I have to work with. It has to stay.

Cindy Davis stated she didn't understand the question. This language is going into the appendix.

Deidra Peterson stated she has a general comment we need to stay away from the blanket statement. We need prescribed maintenance codes.

Richard Bartell stated one size doesn't fit all. There are very few retroactive requirements in VA.

Andrew Milliken stated that we can't have every building code in our possession. Most jurisdiction do maintenance, however, with no pointer, there is no knowledge to know if there is a hazard. If we don't have pointers, what's to say that there isn't a hazard?

Cindy Davis stated the pointer is the end. You have to go to the back

You cannot site construction language in the fire code as a violation.

Johnna Grizzard asked can we revise the section to say air exhaust from spraying shall not be recirculated unless approved by the applicable building code.

Andrew Milliken stated taking out a lot of pointers could be hazardous.

Johnna Grizzard asked if we can deal specifically with this section.

2406.6 Sources of ignition. William Andrews stated maintenance stuff should not to be deleted.

2405.9.2 Flues. Linda Hale stated we should un-strike.

2406.2 Location. Powder coating operations, un-strike more operational.

Emory Rodgers stated that the VBCOA team was put together in August of 2015. We went through the bar code looking for design and construction. Maybe we didn't strike out or struck things we didn't need to. We knew from the beginning we knew we had to go line by line. We really appreciate your input. Staff is going to make edits. Make clear you can blame us for doing our best effort. It is a big process. The process will continue and we are here to work with you in a collaborative way.

Andrew Barrero stated he sent DHCD his comments and asked if they were captured.

Cindy Davis stated that we have them. These are separate, the summaries and the public comments.

2506 Ethylene Generators. William Andrews asked about portable generators. This should be unstruck.

2503.1 Location. Andrew Milliken stated we should un-strike.

Johnna Grizzard lets leave that.

2504.1 Ignition prevention. Linda Hale stated we should un-strike.

William Lloyd stated that this can be explosive.

Chapter 26

None

Chapter 27

William Lloyd the majority of the chapter process of fabricating semiconductors. Most materials are toxic, corrosive and combustible.

2701.4 Existing buildings and existing fabrication areas. un-strike

2703. Emergency control station. un-strike

2703.3 Construction requirements. Un-strike. This is a control system.

2703.3.3. Liquid storage rooms. The reference to Chapter 57 has been deleted. un-strike.

Cindy Davis stated this is an area of disagreement. It is not clear.

2703.7.2 Workstations. Andrew Milliken stated to keep the NFPA maintenance language.

2703.3.5 Gas cabinets. Linda Hale stated that portable cabinets should be provided and maintained. Un-strike

Emory Rodgers stated we need more discussions on this.

Cindy Davis stated we will look at it. Should be provided and maintained.

2703.3.8 Service corridors. Un-strike.

2705.3 Transportation and handling. Un-strike and change to operations.

2703.10.1.1 Combustible work stations. Maintain as was designed

Chapter 28

2803.4 Electrical equipment. Chris Anderson suggested adding the maintenance provision. Keep in NFPA70 reference.

2804.2 Fire alarms. Chris Anderson suggested language “approve means for transmitting fire alarms to the fire department shall be maintained in accordance with the applicable building codes.” Approves when it is required.

2807.2 Size of piles and Exception. Chris Anderson wants to un-strike the references.

Johnna Grizzard is there an issue with it being approved as defined in the fire code by a fire official?

Richard Bartell stated we don't regulate a lot of these.

Robby Dawson asked if there was a change of definition of approved.

Cindy Davis stated not currently, but I think we will have to. Referencing for both code official and fire official approval may be better stating approved by the authority having jurisdiction. This is better yet.

2808.7 Pile fire protection. Glenn Dean asked outside of the building, if we were talking about the same thing, the conveyor and enclosure.

Cindy Davis said we will check on this. Are you proposing to un-strike this and add a sprinkler system? Are you proposing a retroactive fire sprinkler?

Rick Witt stated conveyors were exempted from the building code.

Andrew Milliken asked how this is retroactive if it is not required by the building code.

George Hollingsworth asked if a piece of equipment brought into a building as content, it requires a sprinkler system to make it safe? It is not a change of use.

Cindy Davis stated that Change of Use also includes the change of a level of hazard. If it has changed it will need a sprinkler system. A retroactive requirement for a conveyor system for a sprinkler system, where is the authority to require this?

Johnna Grizzard stated maybe the conveyor is hazardous material. We need to take a look at this. Take it out or leave alone.

Emory Rodgers asked if any piles stored in VA that are sprinkled.

Linda Hale stated yes. In Loudoun County we have wood chip processors. They are very careful because if there is a fire, it would burn up their profits.

Glenn Dean stated we would have to access and evaluate what is in front of me.

Robby Dawson asked if there have been any complaints for a sprinkler system.

Andrew Milliken said this is in the fire prevention code for a reason.

Cindy Davis stated again that this is to take out only legally unenforceable provisions. We are going to put a big question mark on it to verify this and move on.

Chapter 29

2904.3.2 Vehicles. Russell Furr stated that this is a grounding and bonding issue. It needs to be unstruck.

2903.1 Building features and 2903.2 Location. Andrew Milliken stated a pointer is needed.

2904.3 Bonding. Russell Furr stated this is a fire hazard and we need to un-strike.

2905.4 Explosion control. Andrew Milliken stated we should keep the first sentence and strike the rest.

William Lloyd stated that the majority of this chapter clearly says where they can conduct the activities.

George Hollingsworth said the fire inspector and the maintenance inspector are the only ones who see if an occupancy has changed.

Cindy Davis said nothing is changing.

Richard Bartell stated the building official only sees on the site visit of an existing building. No one ever tells us that someone is doing something wrong.

William Lloyd said one of the tools fire official uses comes out of Title 27 and Chapter 1. If you put it in the appendix, it is not enforceable and the fire official cannot stop the process.

2909.6 Finished products. Linda Hale stated this must be maintained.

Andy Wilson stated we should add maintained.

2909.2 Tank storage. Linda Hale suggested to un-strike.

2909.4 Nitrocellulose storage. Andrew Milliken suggested we un-strike.

2906.1 Mills. William Lloyd stated that process mills were exempted from the building code.

Cindy Davis stated this was noted.

Chapter 30

Anthony Barrero stated he has concerns about going so fast.

Emory Rodgers said that when Anthony Barrero talks about public safety guidelines, this doesn't impact your jurisdiction.

Robby Dawson asked if all industrial ovens are regulated by the building code. They are pieces of equipment that may not be regulated by the building code.

Cindy Davis stated so that everything that goes into the equipment, the fuel gas, pipelines, and supplies of this oven are regulated by the code. It is not exempt.

Robby Dawson says, however, the oven is not regulated.

Cindy Davis said we want to make sure we are capturing your comments. If a piece of equipment which has been decided to be exempted under the building code, it is now to be regulated under the fire code.

3003.2 Exposure, 3003. 3 Ignition source, and 3003.4 Temperatures. Andrew Milliken suggested these need work.

Jerry Swain with Loudoun County said they have portable kilns which are not covered under the building code. How do we apply maintenance to this section?

Emory Rodgers stated if there is an industrial oven that has components, such as 3007 which is covered and those not covered 3007.4, if it needs tweaking it is fine. I don't think the struck language needs to be unstruck because of construction requirements.

Chapter 31

3103.2 Approval required. Chris Anderson suggested shouldn't this be 900 sq. ft. so it is consistent with Chapter 1?

Cindy Davis said we had a discussion with the edit committee that it needed to stay at 400 sq. ft. because there had to be a way to regulate the smaller ones if they didn't fall under a building code.

Richard Bartell says it causes problems with 400 and 900.

Vernon Hodge said this will be addressed by a proposal that has been placed in cdpVA regarding this issue. It will address the whole section.

Emory Rodgers asked if this was a consensus.

Vernon Hodge stated yes.

Chapter 32

None

Chapter 33

None

Chapter 34

3401.1 Scope. Andrew Milliken stated if it is illegal they need to get a permit to start over. Correct?

Chapter 35

None

Chapter 36

3604.2 Standpipes. Robby Dawson said this is not a structure, it should stay in.

Rick Witt stated it is regulated.

Monty Willaford said he grew up in Deltaville and a boatyard and the boatyard should stay in.

3604.3 Access and water supply. Andy Wilson stated we should add boatyard.

Richard Bartell said we need a defined term.

Rick Witt said he has a question on this section. We need a code change for this.

Chapter 37

None

Chapter 50 Hazardous Materials-General Requirements

5001.3.3.8 Detection of gas or vapor release. Deidra Peterson stated this needs to stay.

Glenn Dean stated there is no reference to a building, structure or system. This should be operational. This should stay.

5001.3.3.4 Spill mitigation. Robby Dawson says this applies to this section as well. This should stay. Leave as is. Consensus.

Monty Willaford stated this is 2 excellent examples of why there is so much disagreement. Throughout this process, a group of people in which the majority of them have never enforced the fire code, looked through here with tunnel vision and made these determinations and everything was construction oriented. A lot of it is not. We deal with people in fires. We want to make the citizens in the Commonwealth as safe as they can be.

Cindy Davis believes this was a typo. We will un-strike.

George Hollingsworth said you have to have a plan.

Cindy Davis stated so you are saying if we remove the construction requirements and the retroactive reduction of quantities then we don't necessarily mean the maintenance and the scope. Suggestion is to take out maintenance.

Cindy asked if adding operation and maintenance would solve the issue.

5003.1.1 Maximum allowable quantity per control area. Jerry Swain asked what we do about the buildings that were built before this was adopted.

Richard Bartell said the red book addresses chemical storage in schools. I don't recall how they address chemical storage.

Johnna Grizzard stated she thinks if a new chemical is being used that was not covered or you can't classify them with the public safety regulations, you would apply a Change of Occupancy.

Michael Maenner stated previously there were no sprinklers so during the course of the building construction, when sprinklers became introduced into the buildings, we allowed increased rates of hazardous materials in a lot of cases.

So where there is a sprinkler system in there, they allowed increased hazards. In the older building code, no sprinklers and there was all compartmentation.

Russell Furr stated if you used it before and now it is extremely hazardous and has been deemed very unsafe. Now what.

Andrew Milliken stated we have to have some standard.

Anthony Barrero stated that the removal of hazardous materials is advocated by this workgroup because it is a direct threat to firefighter's safety as first responders.

Richard Bartell said the law needs to be changed.

Monty Willaford said the issue I have is the moderator makes the decision to strike or un-strike.

Rick Witt stated we need to move on.

George Hollingsworth asked if you take the quantities out of the fire code, I have nothing to write up. We feel this is an issue.

Robby Dawson says in Chapter 1 of the SFPC says the appendices are not enforceable unless the locality that has jurisdiction has specifically adopted it. Can I adopt appendix N? We have a code now that we are enforcing that no one has an issue. We are going to through this out. Don't break it by trying to fix it.

Glenn Dean said Emory Rodgers mentioned a proposed change to hazmats for colleges and universities labs. Based upon everything he is hearing today and at past meetings, if that proposed change is adopted, an existing laboratory that wants to take advantage of something that is more liberal in that proposed change, comes to me and wants to get a different permit and he says "No", they don't get the benefit of this change. Emory Rodgers stated that he should be sent to the building official at this point.

5003.2.6.2 Defective containers and tanks. Russell Furr said to un-strike. Consensus to un-strike.

5003.1.3 Quantities not exceeding the maximum allowable quantity per control area. And 5003.1.4 Quantities exceeding the maximum allowable quantity per control area. Jerry Swain has objections to taking away the quantities by striking.

Richard Potts stated we will flag this for staff to review.

5003.2.1 Design and construction of containers, cylinders and tanks. Linda Hale stated this also needs to be unstruck.

Richard Potts stated we will flag this for staff to review.

5003.2.6.2 Defective containers and tanks. Robby Dawson stated we need to un-strike this.

Richard Potts said we are un-striking this.

5003.2.8 Seismic protection. Linda Hale where provided it should be maintained. Un-strike.

5003.8.3.5 Hazardous material in Group M display and storage areas and in Group S storage areas. Jerry Swain stated this is operational and needs to be unstruck.

5003.11 Group M storage and display and Group S storage. Robby Dawson asked where we stand with this section.

Vernon Hodge stated that just because we are saying to un-strike something doesn't necessarily mean it will be. We are going to flag these sections and the staff will review.

5003.11.2 Maximum allowable quantity per outdoor control area in Group M. Glenn Dean stated this is outdoor. Flag to review

5004.2.3 Containment pallets. Russell Furr stated this is dealing with outdoor. Flag to review

5004.2. Exception Spill control and secondary containment for liquid and solid hazardous materials. Glenn Dean said to un-strike. Flag to review

Robby Dawson asked if the building code regulates store displays.

Richard Bartell said yes, the building code regulates the height, not the table but the height of the displays.

Outdoor tank provisions. Flag to review

5003.11.2 Maximum allowable quantity per outdoor control area in Group M or S occupants. Robby Dawson has a question about this. Flag to review

Glenn Dean asked where in the USBC, can he find or make references.

Johnna Grizzard stated maybe it should say not to exceed 6' unless otherwise approved.

Robby Dawson stated storage and display is not a building code issue.

Johnna Grizzard suggested keeping the height.

5004.2 Spill control and secondary containment for liquid and solid hazardous materials. Andrew Milliken said this is the primary section. Flag to review

5003.11.3.3 Container location. Jerry Swain clearly takes about containers less than 4 gallons. Un-strike. Operational in nature.

Review all subsections on this.

5003.9.8 Separation of incompatible materials. William Andrews asked if this is being deleted. Flag to review

5003.11.3.7 Incompatible materials. Jerry Swain said we struck this section, however in **5004.2.2.2 Incompatible materials** this was not struck. Flag to review

5005.1.6 Supervision and monitoring. Linda Hale stated the maintenance language is in here. Flag to review

5005 Review the entire outdoor subsections. Monty Willaford and Linda Hale said we need to review the outdoor section.

Chapter 51 Aerosols

5101.1 Scope. Deidra Peterson should remain the same. It references NFPA 30B

5104.1 General. This also references NFPA 30B. This should remain

5005.4.4 Dispensing, use and handling. Andrew Milliken said this section deals with hazardous materials. All agree with this -- consensus

Monty Willaford said anything that would help the spread of fire from aerosol cans, etc. please put back. Flag to review

5104.1.1 Plastic containers. William Andrews said to keep. Flag to review

5104.2.1 Excess storage. Jerry Swain said clearly this is operational so un-strike.
Flag to review

Chapter 52 Reserved (None)

Chapter 53 Compressed Gases

5303.16.6 Vehicle impact protection. Russell Furr said to un-strike.
Consensus of the group was to keep the vehicle impact protection section intact.

5301.1 Scope. Robby Dawson believes this is problematic. He stated the scope shall only apply to the storage, use and handling of compressed gases where such provisions are not governed by the USBC. It only applies when the building code doesn't. Flag to review

Johnna Grizzard believes it is a problem the way it was written. She thinks the scope needs to be re-written and leave in. Just tweak the language.

William Lloyd said if he comes across something not covered by building code, first off compressed gases are not addressed in the building code. If he does look in the building codes, it sends him back to the IFC. We have to purchase multiple books to find the answer.

Robby Dawson said to take the new language out.
Flag to Review

Andrew Milliken realizes this is a large document. This is a huge undertaking. We believe this is different than the other codes.

5303.16.4 Internal clearance. Linda Hale believes it needs to be unstruck.
Flag to review

5303.16.13 Accessway. Linda Hale believes it needs to be unstruck.

5306.16.11 Liquid removal. Russel Furr stated it needs to be unstruck and the reference of NFPA 70 needs to stay. Flag to review.

Chapter 54 Corrosive Materials

5404.2.1 Above-ground outside storage tanks. Andrew Milliken stated the secondary containment language needs to be unstruck. Some language needs to be added.

Richard Bartell said what about adding the secondary containment shall be made in accordance with the applicable building code?

Andrew Milliken stated at a minimum that would be ok.

5305.5 Venting. Emory Rodgers asked to review this.

Chapter 55

5503.6.2 Electrical grounding and bonding. Robby Dawson striking out NFPA 70. Cindy Davis stated we are ok with that. Consensus

5403.1 Quantities not exceeding the maximum allowable quantity per control area and

5403.2 Quantities exceeding the maximum allowable quantity per control area.

Flag for review

5503.5.2 Securing of containers. Chris Anderson suggested adding something that indicates they shall be secured in accordance with the building code.

5503.10 Lighting. Chris Anderson asked to un-strike. ok with that

5504.2.1.1. Containers. Andrew Milliken asked to un-strike. Flag to review

5505.4.1.1 Ventilation. Robby Dawson asked to scratch the exception. Flag to review

5504.2.2.3 Ventilation. Glenn Dean asked to replace with maintenance language. Compare with **5305.5** another similar ventilation section. Flag to review.

Cindy Davis said the reference to the IMC ventilation where required or installed must be maintained in accordance with the code in which it was installed.

5504.2.2 Portable containers. Andrew Milliken said we need to add shall be maintained...Flag to review

Chapter 56 Explosives and Fireworks

5601 Scope. Jerry Swain asked what was the reason behind this one. Scope should be left as is.

Cindy Davis stated as we mentioned in previous sections, you are suggesting to leave the Scope as is and if there are any construction requirements then they should be removed.

George Hollingsworth said when you are regulating the contents of a building, sometimes it may require the person to go back and get a building permit. The contents are a fire official's job and deciding how the building is going to be handled is the building official's job.

5605.3 Intraplant separation of operating buildings. Flag to review
Cindy Davis asked if anyone had an issue with this. No one responded.

5604.1 General. Jerry Swain said there may be other similar sections.

Cindy Davis stated we can take out maintenance and operational and leave storage.

Robby Dawson added that the last sentence should be taken out. This creates a conflict.

5604.2 Magazine required. Exceptions. Jerry Swain said to leave this

Cindy Davis asked if everyone was ok to leave this. OK

5605.4.1 Determination of net explosive weight for operating buildings. Jerry Swain said this could be operational and construction as well.
Ok to leave.

Johnna Grizzard said you could use this to force a change of occupancy.

5605.6.4 Quantity limits. Jerry Swain said we should add approved by which it was constructed.
Add approved load limits. Flag to review.

Glenn Dean said not to strike this.

Chapter 57

5701.2 Andrew Milliken asked if we are changing these and placing them in the appendix.

Cindy Davis stated the section stays and maintenance language stays and the N indicates there is additional construction requirements for new construction that you may want to look at for guidance.

5701.5 Material classification. Jerry Swain asked why we struck this.
This is operational.

Cindy Davis said I think I agree with you. Does anyone have any objections for un-striking this?
No one responded.

5701.11. Emory Rodgers stated we may need to take a look at this. Flag to review.

5703.1.1. Classified locations for flammable liquids. Deidra Peterson asked that the general requirements for flammable liquids remain unchanged. A table was also taken out. Flag to review.

5703.4 Spill control and secondary containment. Emory Rodgers asked for further review of this.

George Hollingsworth also stated that if this is exceeded, why this was taken out.

Richard Bartell said he agreed. Cindy Davis agreed

5704.2.8.5 Anchoring. Linda Hale said this needs to be maintained. Flag to review

5704.2.8.4 Internal clearance. Jerry Swain mentioned this is the same language as one of the previous chapters. This is operational. Flag to review. Cindy Davis said we agreed to un-strike the previous one.

5704.2.8.6 Vehicle impact protection. Jerry Swain mentioned this is the same language as one of the previous chapters. Flag to review. Cindy Davis stated we agreed to un-strike the previous one.

5704.2.9.7.7 Spill containers. Andrew Milliken asked to un-strike. Flag to review
This is speaking to scope. Cindy Davis agreed.

5704.2.8.12 Liquid removal. Jerry Swain said this could go either way. Cindy Davis agreed.

5704.2.8.17 Classified area. Jerry Swain said this takes away the safety element. Cindy Davis said we agree.

5704.2.8.15 Accessway. Flag to review

5704.2.10.4 Combustible materials in diked areas. Andrew Milliken asked to un-strike. Cindy Davis agreed.

5704.3.3.5 Shelf storage. William Lloyd stated this one and sub points deal with shelves. You don't need a building permit to put in shelves. This is not construction related.

Cindy Davis said we will put in code for which it was constructed. Flag to review

George Hollingsworth said this doesn't state whether it is fixed or unfixed shelving.

Emory Rodgers stated he believes this section needs more work.

George Hollingsworth maybe this needs a code change.

5704.2.7.5.4 Manual gauging. Andrew Milliken stated this was operational. Cindy Davis stated she was ok with un-striking.

5704.2.7.6 Repair, alteration or reconstruction of tanks and piping. Andrew Milliken said the last sentence needs to stay. Cindy Davis said ok.

5704.2.7.5.6 Location of connections that are made or broken. Jerry Swain stated the last sentence needs to stay, Flag to review.

5704.3.7.2.2. Separation and aisles. Jerry Swain asked to un-strike. This is operational. Flag to review

5704.3.3.6 Rack storage. Andrew Milliken said this should be un-stricken.

William Lloyd stated this is not referencing fixed racks. Flag to review

5704.4.2.2 Access. along with **5704.4.2.3. Security.** Linda Hale said this is not construction. Un-strike

Cindy Davis said she agreed with this. Flag to review

5704.4.4 Security. William Lloyd said this applies to the same thing. Flag to review

5704.2.9.2.2 Foam fire protection system installation. Emory asked about this one. Flag to review

5705.2 Liquid transfer. George Hollingsworth said this is an operational issue (whole section). Cindy Davis said if not regulated by the building code. Flag to review.

5705.3 Use, dispensing and mixing inside of buildings. Flag to review
If not regulated by the building code.

5705.3.8.1. Spill. Jerry Swain said we need to review because of the same issues in all of 5705.

5705.3.3 Heating, lighting and cooking appliances. Linda Hale said it does not rule out portable. Un-strike. Flag for review.

5706.2.6 Spill control drainage control and diking. Jerry Swain said not sure what language to use.

Cindy Davis said we will take a look at the spill control language. Flag to review.

5706 Special operations relating to fences. Flag to review

5706.5.1.18 Security. Jerry Swain says the location of the vehicle inside the fence which would be operational. Flag to review

Chapter 58

5801.1 Scope. Russell Furr said to un-strike. Cindy Davis said she is ok with un-striking this.

5803.1. Quantities not exceeding the maximum allowable quantity per control area. Un-strike Flag to review

5706.4.3 Heating. George Hollingsworth said to un-strike

Cindy Davis said she is ok with un-striking this. The maintenance language needs to be added throughout.

5706.6 Tank vehicles and vehicle operation. Jerry Swain just leave maintain in here.
Cindy Davis said to un-strike.

5806.4.4 Anchorage and security. Linda Hale said we need to add maintenance language.
Cindy Davis said she agreed.

5808 Hydrogen Fuel Gas Rooms. Linda Hale said we need to add maintenance language.
Cindy Davis said she agreed. We will make sure maintenance language gets in here.

Chapter 59

5904.1.3 Basement storage. Russell Furr said we need to add the maintenance language. Flag to review

Cindy stated that if we changed this to maintenance language and added that liquids would not be stored in basements unless approved under the code in which it was constructed.

5801.1 Scope. Linda Hale said this is operational. Maintain doesn't add anything.

Cindy Davis said she agrees to take this out in previous scoping sections.

5906.5.1 Melting pots. Linda Hale asked if all melting pots permanent fixtures?

5904.1 Indoor storage. George Hollingsworth had a question regarding the standards.
Flag to review.

Cindy Davis asked if George had language he would like used, please e-mail to her.

5906.4.1 Separation. Linda Hale stated this is operational. Cindy Davis said she agreed this is operational.

Chapter 60

6004.1.1 Special limitations for indoor storage and use of occupancy. Jerry Swain said this deals with highly toxic compressed gases.
Cindy Davis said we will un-strike the whole section.

6003.2.5 Weather protection for highly toxic liquids and solids-outdoor storage or use. Linda Hale said this has to have a sprinkler system if it has a roof over it. Flag to review.

6004.1.1.1 Group A,E,I or U occupancies. George Hollingsworth said this is talking about toxic gases. Flag to review

Chapter 61

6103.1 General. and **6104.1 General.** Russell Furr asked to add NFPA 58 to both of these. Cindy Davis said we need to add the applicable maintenance language of NFPA 58.

Richard Bartell said it should say installed.

6101.1 Scope. Jerry Swain said this scope should be similar to other scopes and suggests to leave as it was. Flag to review.

Chapter 62 Organic Peroxides

6201.1 Scope. Linda Hale said to treat this similar to other scopes.

William Andrews asked as far as the storage is concerned are the building codes going to cover?

6203.1.1.2 Group R occupancies. Linda Hale said this is an operational aspect. Flag to review

Chapter 63 Oxidizers, Oxidizing Gases and Oxidizing Cryogenic Fluids

6303.1.1.1.2 Group R occupancies. Linda Hale said this is operational. Flag to review

6303.1.1.2 Class 3 liquid and solid oxidizers. Jerry Swain said a portion of this is operational. Flag to review

6303.1.2.1 Shutoff at source. Russell Furr asked about automatic shut offs. Then he stated never mind. Flag to review

6303.1.3. Ignition source control. William Andrews said this needs to account for portable ignition sources being brought into the area.

Chapter 64 Pyrophoric Materials

6404.1.4 Separation from incompatible materials. Exception. Russell Furr said this is operational and is similar to others we have talked about earlier. This needs to be maintained. Flag to review

6304.1.2 Automatic sprinkler system. Linda Hale had questions on this. Flag to review

Chapter 65 Pyroxylin (Cellulose Nitrate) Plastics.

6504.1.3 Storage of additional material. and 6504.1.5 Accumulation of material. Andrew Milliken asked why this was struck. Do we have a threshold to say accumulation is prohibited? Un-strike Flag to review

Robby Dawson said the same would apply to **6504.1.1 Storage of incoming material.** So we should un-strike.

Cindy Davis asked about thoughts and stated we would review this further and possibly say accumulation is prohibited.

Robby Dawson asked how do you define accumulation is prohibited?

Chapter 66 Unstable (Reactive) Materials

6603.1.2 Limitations for indoor storage and use by occupancy. Russell Furr stated there is no reference to anything here.

Jerry Swain said in 6603.1.2-6603.1.2.5 suggests how dangerous this is. This should stay because of being such a hazard. Flag to review

Glenn Dean said storage and use be maintained by the applicable building code. How is use regulated?

Andrew Milliken said un-strike and add be maintained by the applicable building code.

Cindy Davis said she thought we were in agreement.

6604.1.4 Storage configuration. Linda Hale asked if this was in an earlier section. Flag to review

6604.1.5 Location in building. Russell Furr said shall not be stored in basements.

Cindy Davis said we will come up with language similar to previous locations in buildings.

Chapter 67 Water-Reactive Solids and Liquids

6704.1.4 Water tight containers. William Andrews said to un-strike
Take a look at Chapter 4, leave maintenance language.

Russell Furr stated we may want to look at **6704.1.5 Storage configuration.**

Cindy Davis said it makes sense, we will un-strike. We will take a look at Chapter 4, and leave the maintenance language.

Robby Dawson said he still has an issue with this going before the board in less than 2-weeks without an opportunity for us to comment on this. I think DHCD has done a good job on this.