

## AGENDA

### UNIFORM BUILDING CODE COMMISSION PLUMBING /HEALTH ADVISORY COMMITTEE

October 2, 2014 9:30 AM

Heber M Wells Bldg  
North Conference Room  
160 E 300 S Salt Lake City, UT

*This agenda is subject to change up to 24 hours prior to the meeting.*

#### **ADMINISTRATIVE BUSINESS:**

Sign attendance sheet

1. Approval of the September 4, 2014 minutes

#### **DISCUSSION ITEMS:**

2. Review proposed amendments to Section 314.2.4.1 and 314.2.4.2
3. Review Chapter 6 of the 2015 IPC and corresponding chapters of 2015 IRC along with current amendments

Info Items:

- a. IPC Amendment status log

**Next Scheduled Meeting:** November 6, 2014

Please call Sharon at 530-6163 or email [ssmalley@utah.gov](mailto:ssmalley@utah.gov) if you do not plan on attending.



In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Dave Taylor, ADA Coordinator, at least three working days prior to the meeting. Division of Occupational and Professional Licensing, 160 East 300 South, Salt Lake City UT 84115, Phone 530-6628 or toll-free in Utah only 866-275-3675.

## MINUTES

### UNIFORM BUILDING CODE COMMISSION PLUMBING /HEALTH ADVISORY COMMITTEE MEETING

September 4, 2014

North Conference Room – 9:00 am  
Heber M Wells Building  
160 E 300 S  
Salt Lake City, Utah

#### STAFF:

Dan Jones, Bureau Manager  
Sharon Smalley, Secretary

#### COMMITTEE MEMBERS:

Kerry Cramer	Nelson Hooton
Jody Hilton (excused)	Jeffrey Park
Robert Paterson (excused)	Ray Moore
Michael Moss (excused)	Kevin Bell

#### VISITORS:

#### MINUTES

A motion was made by Jeff Park to approve the minutes for the July 3, and August 7, 2014 meeting as written. The motion was seconded by Kevin Bell and passed unanimously.

#### REVIEW PROPOSED AMENDMENTS TO SECTION 314.2.4.1 AND 314.2.4.2

A recommendation for this proposal was tabled until the next meeting.

#### REVIEW 2015 IPC AND CORRESPONDING CHAPTERS OF 2015 IRC ALONG WITH CURRENT AMENDMENTS

Those present reviewed the 2015 changes that have been made in chapters 4 and 5 and the current amendments for these chapters. The following recommendations were made.

A motion was made by Kerry Cramer to modify the current amendment for Section 403.1 by changing the title back to Minimum Number of Required Plumbing Fixtures in (a); in (b) delete the word "the" before the word "row", add the words "number "3"" after the word "row" and change the footnote number to g; in (c) add the word "the" before the word "row", add the words "number "5"" after the word "row", add the words "Adult day care and child day care" after "I-4" and

change the footnote number to g; in (d) change the footnote number to f and add the words "Diaper Changing Facilities shall meet the requirements of ASTM F2285-04 (2010) Standard Consumer Safety Performance Specifications for Diaper Changing Tables for Commercial Use"; and in (e) change the footnote to g and the word "the" before the word "additional". The motion was seconded by Jeff Park and passed unanimously.

A motion was made by Jeff Park to keep the current amendment for Section 406.3. The motion was seconded by Kevin Bell and passed unanimously.

A motion was made by Kerry Cramer to keep the current amendment for Section 412.5, however, the motion failed due to the lack of a second. A new motion was then made by Kevin Bell and seconded by Jeff Park to delete the current amendment. During the discussion on the motion, the motion and second were withdrawn.

A new motion was made by Ray Moore to keep the current amendment for Section 412.5 with a modification by adding the words "in A & E occupancies and M occupancies with restrooms having multiple water closets or urinals" after the word "rooms". The motion was seconded by Kerry Cramer and passed unanimously.

A motion was made by Ray Moore to keep Section 502.4 and modify the wording of the current amendment by deleting the first and last sentences and adding the words "As a minimum requirement" as the first sentence. The motion was seconded by Kerry Cramer and passed unanimously.

A motion was made by Jeff Park to keep the current amendment for Section 504.7.2. The motion was seconded by Kevin Bell and passed unanimously.

A motion was made by Jeff Park to keep the current amendment for Section 504.7.3. The motion was seconded by Kevin Bell and passed unanimously.

Chapter 6 will be reviewed at the next meeting.

The meeting adjourned at 10:15

*Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.*

IPC AMENDMENT STATUS LOG  
PENDING

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Section to Amend	Proponent & Agency	Approved/Denied by Committee	Commission Appr/Deny for Hearing	PUBLIC HEARING	BUSINESS & LABOR INTERIM		Effective Date
IPC 605.2 IRC 2905.2	Murray City Gilbert Gonzales	5-1-14 denied	6-11-14 denied				
312	Jeff Park	5-1-14 approved	6-11-14 approved	9-10-14	10-15-14		
307.5		8-7-14 committee approved the deletion of new section					
403.1		9-4-14 modify					
412.5		9-4-14 modify					
502.4		9-4-14 modify					

(6) 608.1 is deleted and replaced with the following:

**608.1 General.** A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination and pollution from non-potable liquids, solids or gases being introduced into the potable water supply through cross connections or any other piping connections to the system. Backflow preventer applications shall conform to Table 608.1, except as specifically stated in Sections 608.2 through 608.16.10, with the following additional exceptions to Table ~~608.1~~: 608.1

1. Hose connection backflow preventer—Low head backpressure, rated working pressure application is deleted.

2. Hose connection vacuum breaker-- Low head backpressure application is deleted.

3. Laboratory faucet backflow preventer-- Low head backpressure application is deleted.

4. Vacuum wall hydrants, frost-resistant, automatic-draining type-- Low head backpressure application is deleted.

5. Barometric loop is deleted in its entirety..

(17) 608.15.4 is replaced in its entirety with the following: **608.15.4 Protection by an atmospheric vacuum breaker.** Openings and outlets shall be protected by atmospheric-type or ~~pressure type~~ vacuum breakers. The critical level of the vacuum breaker shall be set not less than 6 inches (152 mm) above the flood level rim of the fixture or device or the highest point of use. Fill valves shall be set in accordance with Section 425.3.1. No valves shall be installed downstream of the atmospheric vacuum breaker. Atmospheric  $\nabla$ vacuum breakers shall not be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors. Pipe applied vacuum breakers shall be installed not less than 6 inches (152 mm) above the flood level rim of the fixture, receptor or device served or the highest point of use.

**608.15.5 Protection by a pressure vacuum breaker.** Openings and outlets shall be protected by a pressure vacuum breaker. The critical level of the pressure vacuum breaker shall be set not less than 12 inches (304mm) above the flood level rim of the fixture or device or the highest point of use. Pressure vacuum breakers shall not be installed under exhaust hoods or similar locations that will contain toxic fumes or vapors.

**608.15.4.1 6 Deck-mounted and integral vacuum breakers.** *Approved* deck-mounted or equipment mounted vacuum breakers and faucets with integral atmospheric vacuum breakers or spill-resistant vacuum breaker assemblies shall be installed in accordance with the manufacturer's instructions and the requirements for labeling with the critical level not less than 1 inch (25 mm) above the *flood level rim*.

**608.15.4.2 7 Hose connections.** Sillcocks, hose bibbs, wall hydrants and other openings with a hose connection shall be protected by an atmospheric-type or pressure-type vacuum breaker or a permanently attached hose connection vacuum breaker.

**Exceptions:**

1. This section shall not apply to water heater and boiler drain valves that are provided with hose connection threads and that are intended only for tank or vessel draining.
2. This section shall not apply to water supply valves intended for connection of clothes washing machines where backflow prevention is otherwise provided or is integral with the machine.

**TABLE 608.1  
General Methods of Protection**

**Installation Criteria:**

**REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY**

- a. ~~The bottom of each RP assembly shall be a minimum of 12 inches above the ground or floor.~~
- b. ~~a.~~ RP assemblies shall NOT be installed in a pit.
- e. ~~b.~~ The relief valve on each RP assembly shall not be directly connected to any waste disposal line, including sanitary sewer, storm drains, or vents.
- ~~d. c.~~ The assembly shall be installed in a horizontal position only unless listed or approved for vertical installation in accordance with Section 303.4.

**DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY**

- a. ~~If installed in a pit, the DC assembly shall be installed with a minimum of 12 inches of clearance between all sides of the vault including the floor and roof or ceiling with adequate room for testing and maintenance.~~
- ~~b.~~ Shall be installed in a horizontal position unless listed or approved for vertical installation.

**PRESSURE VACCUM BREAKER ASSEMBLY/ SPILL RESISTANT PRESSURE VACUUM BREAKER ASSEMBLY**

- a. Shall not be installed in an area that could be subjected to backpressure or back drainage conditions.
- b. Shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.
- c. Shall not be installed below ground or in a vault or pit.
- d. Shall be installed in a vertical position only.

**SPILL RESISTANT PRESSURE VACUUM BREAKER ASSEMBLY**

- a. ~~Shall not be installed in an area that could be subjected to backpressure or back drainage conditions.~~
- ~~b.~~ ~~Shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.~~
- e. ~~Shall not be installed below ground or in a vault or pit.~~
- ~~d.~~ ~~Shall be installed in a vertical position only.~~

### **GENERAL INSTALLATION CRITERIA**

Assemblies shall not be installed more than five feet above the floor unless a permanent platform is installed. The assembly owner, when necessary, shall provide devices or structures to facilitate testing, repair, and/or maintenance and to insure the safety of the backflow technician.

The body of the assembly shall not be closer than 12 inches to any wall, ceiling or encumbrance, and shall be accessible for testing, repair and/or maintenance.

In cold climates, assemblies shall be protected from freezing by a means approved enclosures or installation acceptable to the code official.

**608.13.10 Dual check backflow preventer.** Dual check backflow preventers shall conform to ASSE 1024 or CSAB64.6. Use of a dual check backflow preventers is limited to residential meter pit installations only.