

**Plumbing Board**  
**Ad-Hoc Rulemaking Committee Meeting Minutes**  
**December 14, 2016 – 9:00 A.M.**

Minnesota Room – Department of Labor and Industry  
443 Lafayette Road North, St. Paul, MN 55155

**Members**

Scott Eggen  
Mike Herman  
Larry Justin (Chair)  
Jim Lungstrom  
John Parizek

**Members Absent**

None

**DLI Staff & Visitors**

Suzanne Todnem (DLI)  
Jim Peterson (DLI)  
Gary Thaden (MMCA)  
Sophie Thaden (MMCA)  
Matt Marciniak (IAPMO)  
Jim Gander (Superior Mechanical)  
Chad Filek (J-Berd Mechanical)  
Scott Thompson (MN Plumbing Training)  
Richard Hauffe (ICC)  
Luke Westman (PHCC)  
Gary Schick (City of Rochester)  
Bob Tayler (Osland Piping)  
Rebecca Ames (City of Bloomington)  
Stephanie Menning (MUCIA)

**I. Call to Order**

The meeting was called to order by Chair Justin at 9:05 a.m. Introductions and housekeeping announcements were made. Attendance was taken; a quorum was met.

**II. Approval of Meeting agenda**

Revisions to the order of the meeting agenda was made by Chair Justin as shown in italics below. A motion was made by Parizek, seconded by Lungstrom, to approve the agenda with the revisions noted. The vote was unanimous; the motion carried.

B) 2015 Minnesota Plumbing Code Rulemaking Request

1. 4714.0204 Definition
2. *IAPMO IS 7-2008: Installation Standard For Polyethylene (PE) Cold Water Building Supply and Yard Piping*
3. *IAPMO IS 8-2006: Installation Standard For PVC Cold Water Building Supply and Yard Piping*
4. 414.3: Drainage Connection
5. 807.4: Domestic Dishwashing Machine
6. 905.3: Vent Pipe Rise
7. *Chapter 10 Traps and Interceptors*

**III. Regular Business**

Approval of Expense Reports – Parizek approved the expenses as presented.

#### IV. Special Business

##### A) Review proposed 2018 UPC Amendments

###### 1. 301.3 Alternate Materials and Methods of Construction Equivalency

- i. Committee members and public present discussed the proposed amendment. **Motion by Herman, seconded by Parizek, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration (~~red strikethrough~~ for deletion and red underlined for addition):**

**301.3 Alternate Materials and Methods of Construction Equivalency.** Nothing in this code is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety over those prescribed by this code. ~~Prior to installation, technical~~ documentation shall be submitted to the Authority Having Jurisdiction to demonstrate equivalency prior to installation. ~~Unless prohibited by this code or by law,~~ The Authority Having Jurisdiction shall have the authority to approve or disapprove the system, method, or device for the intended purpose. However, the exercise of this discretionary approval by the Authority Having Jurisdiction shall have no effect beyond the jurisdictional boundaries of said Authority Having Jurisdiction. An alternate material or method of construction so approved shall not be considered as in accordance with the requirements, intent, or both of this code for a purpose other than that granted by the Authority Having Jurisdiction where the submitted data does not prove equivalency.

##### **Motion Passed unanimously.**

- ii. Committee members and public present discussed the above proposed amendment substantiation. **Motion by Parizek, seconded by Lungstrom, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

##### **SUBSTANTIATION:**

~~The proposed modification adds “prior to installation” to the second sentence to clarify that technical documentation of alternate materials and methods to the code that demonstrate equivalency must be submitted for approval before installation occurs.~~ Approval before installation:

1. Expedites the inspection process.
2. Eliminates possible confusion on why alternative was selected.
3. Could more easily permit adjustments to proposed alternative material/methods prior to installation.

4. Eliminates additional costs that might result if installation begins before the alternate methods are approved and need revision per the Authority Having Jurisdiction. ~~Additional proposed modification to Section 301.3 clarifies that alternate methods to the code submitted for approval shall not be prohibited elsewhere in the code or law. The proposed amendments establish reasonable requirements that permit alternate methods from the code to keep current with new technologies while maintaining public safety and reasonable costs.~~

**Motion Passed unanimously.**

2. 301.5.6 Inspection and Testing

- i. Committee members and public present discussed the proposed amendment. A public member asked the Committee if the Board have the capability to request changes to the UPC. Parizek responded to the questioner on why the Board has the ability to recommend UPC amendments.

**Motion by Eggen, seconded by Parizek, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**301.5.6 Inspection and Testing.** ~~Prior to the final plumbing inspection, The registered design professional shall provide written certification to the Authority Having Jurisdiction that the system has been visually inspected by the registered design professional or the registered design professional's designee, and the installation has been properly implemented according to the certified plans, calculations, and specifications.~~ The alternative engineered design shall be tested and inspected in accordance with the submitted testing and inspection plan and the requirements of this code.

**Motion Passed unanimously.**

- ii. Committee members and public present discussed the above proposed amendment substantiation. **Motion by Parizek, seconded by Lungstrom, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**SUBSTANTIATION:**

~~The section requires alternative engineered designs be tested and inspected.~~ Most alternative engineered designs are complex and require expertise in the registered design professional's field. The purpose of the proposed amendment includes specifies:

1. Visual on-site inspection by the registered design professional or their designee reasonably ensures that the installation is in accordance with the engineered design.
2. that the registered design professional must certify that the registered design professional (or designee) has visually inspected the system and that installation was properly implemented.
3. Holding design professional responsible to assure the AHJ that the installation meets their approved design.
4. Minimizes potential installation conflicts.
5. Supplements the AHJ's confidence that the installation meets the approved design.

**Motion Passed unanimously.**

3. 317.1 General

- i. Committee members and public present discussed the proposed amendment. **Motion by Eggen, seconded by Parizek, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**317.1 General.** ~~Soil or drain pipes installed over areas where Food or drink shall not will be stored, prepared, or displayed beneath soil or drain pipes, unless those areas are protected against leakage or condensation from such pipes reaching the food or drink as described below. Where building design requires that soil or drain pipes be located over such areas, the installation shall be made with the least possible shall be installed with the minimum number of joints necessary, protected against leakage or condensation from such pipes reaching the food or drink, and shall be installed so as to connected~~ to the nearest adequately sized vertical stack with the following provisions as follows:

- (1) ~~Plumbing~~ Openings through floors over such areas shall be sealed watertight to the floor construction.
- (2) Floor and shower drains installed above such areas shall be equipped with integral seepage pans.
- (3) Soil or drain pipes shall be of an approved material as listed in Table 1701.1 and Section 701.2. Materials shall comply with established

standards. Cleanouts shall be extended through the floor construction above.

- (4) Piping subject to operation at temperatures that will form condensation on the exterior of the pipe shall be thermally insulated.
- (5) Where pipes are installed in ceilings above such areas, the ceiling shall be of the removable type, or shall be provided with access panels in order to form a ready access for inspection of piping.

**Motion Passed unanimously.**

- ii. Committee members and public present discussed the above proposed amendment substantiation. **Motion by Herman, seconded by Eggen, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**SUBSTANTIATION:**

The proposed amendment has been revised and addresses the concern noted by the Technical Committee in the May 2016 Item #032 review. It succinctly revises the plumbing requirements for drainage piping installed over food preparation, and storage areas but does not alter what is required. The proposed amendment reframes the requirement to regulate the plumbing design rather than attempt to regulate where food or drink may be stored or prepared. Amendment to provision Item (1) adds the word “Plumbing” to specifically describe the type of openings regulated by this code. The current language requires all openings, plumbing- or non-plumbing-related, to be sealed, which may conflict with the intent of other construction methods or requirements and extend beyond the jurisdiction of the plumbing code.

**Motion Passed unanimously.**

4. 412.1.1 Non-water Urinals

- i. Committee members and public present discussed the proposed amendment. **Motion by Parizek, seconded by Herman, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**412.1.1 Nonwater Urinals.** Nonwater urinals shall have a barrier liquid sealant to maintain a trap seal. Nonwater urinals shall permit the uninhibited flow of waste through the urinal to the sanitary drainage system. Nonwater urinals shall be cleaned and maintained in accordance

with the manufacturer's instructions after installation. Where nonwater urinals are installed, not less than one water supplied fixture rated at not less than 1 water supply fixture unit (WSFU) shall be installed upstream on the same drain line to facilitate drain line flow and rinsing. ~~Where nonwater urinals are installed they shall have a water distribution line rough-in to the urinal location to allow for the installation of an approved backflow prevention device in the event of a retrofit.~~

**Motion Passed unanimously.**

- ii. Committee members and public present discussed the proposed amendment substantiation. **Motion by Parizek, seconded by Herman, to accept the below language and forward on to the Board with recommendation to send to IAPMO for 2018 UPC amendment consideration:**

**SUBSTANTIATION:**

The recently issued ASHRAE Standard 188 "Legionellosis: Risk Management for Buildings Water Systems" strongly discourages dead end water piping. The proposed amendment:

1. removes the requirement to install a water distribution line rough-in that allows for installation of an approved backflow prevention device in the event of a retrofit.
2. The installation of water lines to approved fixtures, which do not require water, exceeds the intent of a basic plumbing document for minimum requirements.
3. The current requirement creates dead-ends where water lines are capped, causing stagnant water which could lead to concerns about the growth of organisms (legionella) in dead-ends. Such growths would affect the quality of drinking water and become a public health concern.
4. The proposed change offers better public health protection
5. ~~And d~~Does not add unneeded costs to construction. ~~is less expensive than the current requirement.~~

**Motion Passed unanimously.**

5. 804.2 Domestic or Culinary Type Fixtures Prohibited as Receptors
  - i. Committee members and public present discussed the proposed amendment. **Motion by Parizek, seconded by Eggen, to recommend to the Board that this amendment not be sent to IAPMO for 2018 UPC amendment consideration.**

**Motion Passed unanimously.**

**B) 2015 Minnesota Plumbing Code Rulemaking Request**

1. 4714.0204 Definitions

Committee members and public present discussed the Rulemaking Request. **Motion was made by Justin, seconded by Parizek, to recommend to the Board that no revisions to Section 4714.0204 is required.**

**Motion Passed unanimously.**

**Motion by Justin and seconded by Herman to suspend Agenda and move to items IVB5 and 6.**

**Motion Passed unanimously.**

2. 414.3: Drainage Connection

Committee members and public present discussed the Rulemaking Request. **Motion was made by Eggen, seconded by Herman, to recommend to the Board that no revisions to Section 4714.414.3 is required.**

**Motion Passed unanimously.**

3. 807.4: Domestic Dishwashing Machine

Committee members and public present discussed the Rulemaking Request. **Motion was made by Eggen, seconded by Herman, to recommend to the Board that no revisions to Section 4714.414.3 is required.**

**Motion Passed unanimously.**

4. 905.3: Vent Pipe Rise

**Motion was made by Parizek, seconded by Justin, to recommend to the Board to delete 2015 MNPC language and replace with original UPC language (see below).**

**905.3 Vent Pipe Rise.**

~~Except as provided elsewhere in this code, each vent shall rise vertically to a point not less than 6 inches (152 mm) above the flood level rim of the fixture~~

~~served before offsetting horizontally, and where two or more vent pipes converge, each such vent pipe shall rise to a point not less than 6 inches (152 mm) in height above the flood-level rim of the plumbing fixture it serves before being connected to any other vent.~~

Unless prohibited by structural conditions, each vent shall rise vertically to a point not less than 6 inches (152 mm) above the flood-level rim of the fixture served before offsetting horizontally, and where two or more vent pipes converge, each such vent pipe shall rise to a point not less than 6 inches (152 mm) in height above the flood-level rim of the plumbing fixture it serves before being connected to any other vent. Vents less than 6" (152 mm) above flood level rim of the fixture served shall be installed with approved drainage fittings, material, and grade to drain.

Reason: This eliminates the concern on vents for floor drains/flammable waste, etc. with vents in the middle of rooms.

**Motion Passed unanimously.**

5. IAPMO IS 7-2008: Installation Standard For Polyethylene (PE) Cold Water Building Supply and Yard Piping

**Motion was made by Eggen, seconded by Herman, to recommend to the Board to delete the incorporation by reference to IAPMO IS 7-2008.**

**Motion Passed unanimously.**

6. IAPMO IS 8-2006: Installation Standard For PVC Cold Water Building Supply and Yard Piping

**Motion was made by Eggen, seconded by Herman, to recommend to the Board to delete the incorporation by reference to IAPMO IS 7-2008.**

**Motion Passed unanimously.**

7. Chapter 10 Traps and Interceptors

**Motion was made by Justin, seconded by Eggen, to request further direction from Plumbing Board regarding this chapter.**

**Motion Passed unanimously**

**V. Open Forum**

There were no requests.

**VI. Discussion**

There were no further discussions.

**VII** Announcements

- A) Next Regularly Scheduled Meeting  
To be determined.

**VIII** Adjournment

A motion was made by **Parizek**, seconded by **Herman**, to adjourn the meeting at 12:45 p.m. The majority vote ruled; the motion passed.

Respectfully submitted,

Lawrence Justin