

# Meeting Minutes: 2024 UPC ad hoc Rulemaking Committee of the Plumbing Board

Date: Sept. 4, 2024  
Time: 9:00 a.m.  
Minutes by: Lyndy Logan  
Location: DLI, 443 Lafayette Rd. No., St. Paul, MN 55155

## Committee Members

1. Karl Abrahamson (Committee Secretary)
2. Richard Becker
3. Justin Parizek
4. Mike Westemeier (DLI CO's Designee)

## Committee Members Absent

None

## DLI Staff & Visitors

Adam Case (Board Counsel, DLI)  
Krystle Conley (DLI)  
Allison Eastham (DLI)  
Lyndy Logan (DLI)  
Brad Jensen (DLI)  
Steve Neubel (DLI)  
Chuck Olson (DLI)  
Chad Payment (DLI)  
Lew Anderson (City of Minneapolis) – WebEx  
Tad Asay (Schier Products) – WebEx  
Kyle Dimler (City of Hutchinson) – WebEx  
Dan Engsborg (DSIreps) – WebEx

## DLI Staff & Visitors continued...

Justin Femrite (City of Elk River) – WebEx  
Brad Harrison (Ferguson) – WebEx  
Jeff Hill (MNWQA)  
Danielle Houts (Lowrey Engineering) – WebEx  
Tyson Jenkins (City of Plymouth) – WebEx  
Mike Johnson (J-Berd Mech)  
Jason Kruger (Kruger Consulting) – WebEx  
Gonzalo Lagos (Schier Products) – WebEx  
Jon Lowry (Lowry Engineering)  
Stephanie Menning (MUCA) – WebEx  
Pete Moreau (Adspipe) – WebEx  
David Nickelson (Uponor) – WebEx  
Bradley Peters (Rochester Comm. Dev.)  
Jim Peterson (MN PHCC)  
Jarrett Purdue (Dept. of Natural Res) – WebEx  
Jennifer Schaff (County Materials) – WebEx  
Mark Scholle (Prinsco)  
Gary Thaden (MMCA) – WebEx  
Katy Thompson (Stantec) – WebEx  
Scott Thompson (My Plumbing Training)

## 1. **Call to Order**

- A. The meeting was called to order by Board Chair Becker at 9:02 a.m. Committee Secretary Abrahamson took roll call, and a quorum was declared with 4 of 4 Committee members present in person.
- B. Announcements/Introductions by Board Chair Becker
  - Everyone present in person and remotely are able to hear all discussions.
  - All votes will be taken by roll call if any member is attending remotely.
  - All handouts discussed and WebEx instructions are posted on the Committee's website.

## 2. **Approval of meeting agenda**

A motion was made by Abrahamson, seconded by Parizek, to approve the agenda as presented. The vote was unanimous with 4 votes in favor; the motion carried.

### 3. Approval of previous meeting minutes

A motion was made by Westemeier, seconded by Abrahamson, to approve the Aug. 7, 2024, minutes as presented. The vote was unanimous with 4 votes in favor; the motion carried.

### 4. Regular Business

No expense reports.

### 5. Special Business

A. [Review/discuss RFA's submitted](#), if applicable

a. RFA PB0161 – Karl Abrahamson (Chapter 3) – Revised rec'd 6/18/2024

- June 18, 2024: Abrahamson re-submitted his RFA – **Tabled, will review at a later date**
- Feb. 7, 2024: Abrahamson pulled RFA – will research and re-submit

b. [RFA PB0163](#) – Scott Thompson (Section 420.4) – Rec'd 1/31/2024

- March 6, 2024: The Committee unanimously agreed to leave as amended in the 2020 MN Plumbing Code.

c. [RFA PB0164](#) – Lew Anderson (Section 205.0, 407.3, Table 702.1, 704.3) – Rec'd 2/1/2024

- June 5, 2024 – reviewed with Chapter 7: Lew Anderson, City of Minneapolis, summarized his RFA – see Committee's recommendations shown below
  - Committee accepted as presented:
    - Under section 205.0 in the definitions, add an entry for "Commercial Hand Wash Sink" – with a suggested definition of: "A sink in a commercial kitchen or food service area which is primarily used for hand washing."
  - Committee accepted as presented with the following revisions:
    - Table 701.2 - In Table 702.1, under sinks, add a new line item entry for "Commercial hand wash" directly below the existing entry for "Commercial pot or scullery" - assign to "Commercial hand wash" a minimum size trap and trap arm of 1-1/2", ~~assign footnote 2 for a 2" drain~~, assign 1.0 ~~2.0~~ DFU under both the columns of Public and Assembly.
  - Committee accepted as presented:
    - Under Section 407.3, revise the first paragraph to read: 407.3 Limitation of Hot Water Temperature for Public Lavatories and Hand Wash Sinks. Hot water delivered from public-use lavatories and commercial hand wash sinks shall be limited to a maximum temperature of 110 degrees Fahrenheit (43 degrees Celsius). The maximum temperature shall be regulated by one of the following means:
  - Section 704.3: The committee did not accept the recommended language and instead agreed to leave 704.3 as amended in the 2020 MN Plumbing Code.

- d. [RFA PB0165](#) – Lew Anderson (Section 311.1) – Rec’d 2/5/2024
- **April 30, 2024: Review at a later date and include building code experts in the discussion**
    - **Proposed language for section 311.1, revise second paragraph to read:**  
Every building shall have its own independent water and sewer ~~connection~~ services except that a group of buildings may be connected to one or more sewer manholes on the premises that are constructed to standards set by the Authority Having Jurisdiction. Water and sewer piping shall not be routed below or through one townhouse unit to serve another townhouse unit.
- e. [RFA PB0166](#) – Lowry Engineering (Chapter 11) – Revised rec’d 9.4.2024
- **Sept. 4, 2024:** Jon Lowry addressed the Committee and explained the diagrams on pages 5 and 6 of his submittal. **This RFA was tabled. It will be announced at the Oct. 3<sup>rd</sup> meeting when this RFA will be reviewed further.**
  - Aug. 7, 2024: Will review at the September or October meeting
- f. [RFA PB0167](#) – Kyle Dimler (Section 310.5) – Rec’d 3/6/2024
- **Sept. 4, 2024: Tabled, will announce at the October meeting with this RFA will be reviewed further.** Kyle Dimler addressed the Committee. The Committee said there is no new information at this time, Abrahamson would like to review the upcoming 2027 UPC to see if this language will be addressed. If so, the Committee could review and possibly add to the 2024 UPC. If there is no new information to review, the Committee will defer to the Board’s decision.
  - Aug. 7, 2024: Will review at the September or October meeting
- g. [RFA PB0168](#) – Jeffrey Hill (Section 611.0) – Chapter 6 – Revised rec’d 8/6/2024
- **Aug. 6, 2024: Hill re-submitted his RFA with additional language as requested. Will review at the November or December meeting.**
  - April 30, 2024: Hill summarized his proposed language, on pages 10 & 11. The Committee asked Hill to revise the language (including sizing criteria) and re-submit his RFA.
- h. [RFA PB0169](#) – Daniel Currence (Table 702.3, Table 1102.4) – Rec’d 4/17/2024
- **Sept. 4, 2024: Pete Moreau (Adspipe) and Mark Scholle (Prinsco) addressed the Committee. The Committee tabled until a later date – Abrahamson will review IAPMO’s site storm definitions.**
  - Aug. 7, 2024: Will review at the September or October meeting
- i. [RFA PB0170](#) – Eric Thompson (Chapter 10, Section 1014.2) – Rec’d 5/16/2024
- **Will review at the November or December meeting**
- j. [RFA PB0171](#) – Jim Peterson (Chapter 4) – Rec’d 6/25/2024
- **Will review it at a later date**

- k. [RFA PB0173](#) – Scott Thompson (Chapter 6, Section 609.10) – Rec’d 6/27/2024
    - August 7, 2024 – **Will review at the October meeting**
  - l. [RFA PB0174](#) – Minnesota Concrete Pipe Association (Chapter 11) – Rec’d 8/5/2024 (added after the August 7<sup>th</sup> meeting concluded)
    - **Sept. 4, 2024: Tabled, will review further once the 2027 UPC is available.** Jason Kruger said his RFA is similar to the previously addressed RFA, PB0169. Kruger said this has been submitted to IAPMO, and approved, to be incorporated into the 2027 UPC.
    - August 7, 2024 – Review with Chapter 11
  - m. [RFA PB0175](#) – City of Minneapolis (Chapter 6, Section 603.5.14) – Rec’d 7/31/2024
    - August 7, 2024 – **Will review at the October meeting**
  - n. [RFA PB0176](#) – City of St. Paul (Appendix M) – Rec’d 8/16/2024
    - **Sept. 4, 2024: Tabled until a later date**
  - o. [RFA PB0177](#) – Karl Abrahamson (Chapter 11, section 1101.1) – Rec’d 8/29/2024
    - **Sept. 4, 2024: Abrahamson pulled RFA PB0177 in exchange for adopting the 2024 UPC 1101.12.2.2.1 and adding a maximum height of 60” above grade. This will need to be renumbered.**
- B. Continue review/discussion beginning with chapter 11, section 1101.0, of the 2024 Uniform Plumbing Code (UPC), and any tangential sections, and as time permits, **review of RFAs 166, 167, 169, 174, and 177**; discuss possible rulemaking recommendations to the Plumbing Board.

## Chapter 11

### 1101.0 General

- 1101.1 – keep as shown in the 2024 UPC
- 1101.2 – leave as amended in the 2020 MN Plumbing Code
- 1101.3 – leave as amended in the 2020 MN Plumbing Code
  - 1101.4 – keep as shown in the 2024 UPC with the following stricken language: ~~and Chapter 14 “Firestop Protection.” Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame spread index of not more than 25 and a smoke developed index of not more than 50, where tested in accordance with ASTM E84 or UL 723. Plastic piping installed in plenums shall be tested in accordance with all requirements of ASTM E84 or UL 723. Mounting methods, supports and sample sizes of materials for testing that are not specified in ASTM E84 or UL 723 shall be prohibited.~~
- 1101.4.1 – keep as shown in the 2024 UPC
- 1101.4.2 – keep as shown in the 2024 UPC
- 1101.4.3 – keep as shown in the 2024 UPC
- 1101.4.4 – keep as shown in the 2024 UPC
- 1101.4.5 – **tabled, will be reviewed with PB0169 and PB0174**

- 1101.4.6 – keep as shown in the 2024 UPC
- Table 1101.4.6 – keep as shown in the 2024 UPC
- 1101.5 – keep as shown in the 2024 UPC
- 1101.6 – keep as shown in the 2024 UPC
- 1101.6.1 – keep as shown in the 2024 UPC
- 1101.6.2 – keep as shown in the 2024 UPC
- 1101.6.3 – keep as shown in the 2024 UPC
- 1101.6.4 – keep as shown in the 2024 UPC
- 1101.6.5 – keep as shown in the 2024 UPC
- 1101.7 – keep as shown in the 2024 UPC
- 1101.8 – keep as shown in the 2024 UPC
- 1101.9 – keep as shown in the 2024 UPC
- 1101.10 – keep as shown in the 2024 UPC
- 1101.11 – keep as shown in the 2024 UPC
- 1101.12 – keep as shown in the 2024 UPC
- 1101.12.1 – leave as amended in the 2020 MN Plumbing Code
- 1101.12.2 – leave as amended in the 2020 MN Plumbing Code
- 1101.12.2.1 – leave as amended in the 2020 MN Plumbing Code
- 1101.12.2.2 – leave as amended in the 2020 MN Plumbing Code
- 1101.12.2.2.1 – keep as shown in the 2024 UPC with the following additional language (and renumber):
  - 1101.12.2.2.1 Separate Piping System. The secondary roof drainage system shall be a separate system of piping, independent of the primary roof drainage system. The discharge shall be a maximum of 60 inches above grade, in a location observable by the building occupants or maintenance personnel. Secondary roof drain systems shall be sized in accordance with Section 1101.12.1 based on the rainfall rate for which the primary system is sized.
- 1101.12.2.2.2 – **circle back – Richard will draft an RFA**
- 1101.13 – keep as shown in the 2024 UPC
- 1101.13.1 – keep as shown in the 2024 UPC
- 1101.14 – keep as shown in the 2024 UPC
- 1101.15 – keep as shown in the 2024 UPC
- 1101.15.1 – keep as shown in the 2024 UPC
- 1101.15.2 – keep as shown in the 2024 UPC
- 1101.15.3 – keep as shown in the 2024 UPC
- 1101.16 – keep as shown in the 2024 UPC
- 1101.16.1 – keep as shown in the 2024 UPC
- 1101.16.2 – keep as shown in the 2024 UPC

## 1102.0 Roof Drains

- 1102.1 – keep as shown in the 2024 UPC
- 1102.2 – keep as shown in the 2024 UPC
- 1102.3 – keep as shown in the 2024 UPC
- 1102.3.1 – keep as shown in the 2024 UPC
- 1102.3.2 – keep as shown in the 2024 UPC

### **1103.0 Size of Leaders, Conductors, and Storm Drains**

- 1103.1 – leave as amended in the 2020 MN Plumbing Code
- Table 1103.1 – keep as shown in the 2024 UPC
- 1103.2 – leave as amended in the 2020 MN Plumbing Code
- Table 1103.2 – keep as shown in the 2024 UPC
- 1103.3 – leave as amended in the 2020 MN Plumbing Code
- Table 1103.3 – delete in its entirety
- 1103.4 – keep as shown in the 2024 UPC

### **1104.0 Values for Size of Leaders, Conductors, and Storm Drains**

- 1104.1 – keep as shown in the 2024 UPC

### **1105.0 Controlled-Flow Roof Drainage**

- 1105.1 – **table and review at a later date, Becker will submit an RFA**
- Table 1105.1(1) – **table and review at a later date, Becker will submit an RFA**
- Table 1105.1(2) – **table and review at a later date, Becker will submit an RFA**
- 1105.2 – keep as shown in the 2024 UPC

### **1106.0 Engineered Storm Drainage System**

- 1106.1 – **table and review at a later date, Becker will submit an RFA**
- 1106.2 to 1106.2.10 – **table and review at a later date, Becker will submit an RFA**
- 1106.3 – **table and review at a later date, Becker will submit an RFA**

### **1107.0 Testing**

- 1107.1 – leave as amended in the 2020 MN Plumbing Code
- 1107.2 – keep as shown in the 2024 UPC with the following revision: strike “except that plastic pipe shall not be tested with air”
- 1107.2.1 – keep as shown in the 2024 UPC
- 1107.2.2 – keep as shown in the 2024 UPC unless an RFA is submitted
- 1107.2.3 – leave as amended in the 2020 MN Plumbing Code with the following change: ~~2018~~ **2023**

Recommend Chapters 12, 13, and 15 not be adopted.

At the next meeting, the Committee will continue the review/discussion of outstanding RFA numbers PB0173 and PB0175; discuss scheduling for further review and discussion of RFA numbers PB0166, PB0167, and PB0178; begin review and discussion of tabled items from Chapters 1-11 and related sections. Additionally, potential rulemaking recommendations for the Plumbing Board may be discussed.

## 6. **Announcements**

The following Committee meetings have been scheduled and notices will be sent to the Plumbing Board's interested parties distribution list one week prior. Meetings will be in person at DLI with WebEx and phone options. Meetings begin at 9 a.m. and are expected to last 2-3 hours.

- October 3, 2024, Minnesota Room
- November 6, 2024, Minnesota Room
- December 4, 2024, Minnesota Room
- January 2, 2025, Minnesota Room

## 7. **Adjournment**

A motion was made by Abrahamson, seconded by Parizek, to adjourn the meeting at 11:56 a.m. The vote was unanimous with 4 votes in favor of the motion; the motion passed.

Respectfully submitted,

*Karl Abrahamson*

Karl Abrahamson  
Committee Secretary

### **Green meeting practices**

The State of Minnesota is committed to minimizing in-person environmental impacts by following green meeting practices. DLI is minimizing the environmental impact of its events by following green meeting practices. DLI encourages you to use electronic copies of handouts or to print them on 100% post-consumer processed chlorine-free paper, double-sided.