

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

Date: July 2, 2025
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 (Chair)
3. Justin Parizek
4. Mike Westemeier (DLI CO's Designee)

Committee Members Absent

None

DLI Staff & Visitors

Lyndy Logan (DLI)
Ken McGurran (Board Counsel, DLI)
Brad Jensen (DLI)
Steve Neubel (DLI)
Ryan Rehn (DLI) – Webex
Anita Anderson (Dept. of Health)
Lew Anderson (City of Mpls.) – Webex
Jason Bethke (City of Blaine) – Webex
Mike Brown (City of St. Paul)

DLI Staff & Visitors continued...

Mike Cadahy (PPFA) – Webex
James Ellis (MiFAB)
Dan Engberg (ASPE)
Steve Fernlund (City of St. Paul)
Douglas Johnson (Keenworks) – Webex
Mike Johnson (J-Berd Mech) – WebEx
Jason Kruger (MN Concrete Pipe Assoc.) – Webex
Stephanie Menning (MUCA) – Webex
David Nickelson (Uponor) – WebEx
Bradley Peters (City of Rochester) – Webex
Ray Pierson (Rinker Materials/MnCPA)
Bill Ross (Hydromax) – Webex
Jennifer Schaff (County Materials) – Webex
Brian Soderholm (Water Control Inc.) – Webex
Sam Steffl (Water Well Drilling) – Webex
Scott Thompson (My Plumbing Training) – Webex
David Weum (BOP member – MDH)

1. Call to Order

- A. Committee Secretary Karl Abrahamson (“Abrahamson”) called the meeting to order at 9:02 a.m. and took roll call. A quorum was declared with 4 of 4 Committee members present in person.
- B. Announcements/Introductions
 - Everyone present in person and remotely can hear all discussions.
 - All votes will be taken by roll call if any member is attending remotely.
 - All handouts and WebEx instructions are posted on the Committee’s website.

2. Approval of meeting agenda

A motion was made by Abrahamson, seconded by Justin Parizek (“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 Mike Westemeier (“Westemeier”), seconded by Parizek, to approve the June 4, 2025, minutes as presented. The vote was unanimous, with 4 votes in favor; the motion carried.

4. Regular Business

No expense reports.

5. Special Business

Review RFA numbers [PB0190](#), [PB0201](#), [PB0202](#), [PB0203](#), and [PB0205](#), along with new RFAs for Chapters 10 and 11 and related matters. If time allows, the Committee will address tabled items, schedule new RFAs, and review/adjust any discrepancies to previous minutes and/or RFAs, if applicable. Additionally, the Committee may discuss potential rulemaking recommendations for the Plumbing Board.

- [RFA PB0190](#) – Richard Becker, Chapter 6, Section 601.2.2 – Rec'd 2/4/2025 | **Revised 7/2/2025**
 - **The Committee will recommend adopting RFA PB0190 with the following revision:**
 - 601.2.2 Hot Water ~~Recirculation~~ Temperature Maintenance. Hot water supply systems in four-story buildings or higher, or buildings where the developed length of hot water piping from the source of hot water supply to the farthest fixture supplied exceeds 100 feet, shall ~~be of the return circulation type~~ be provided with a temperature maintenance system. Where a temperature maintenance system is required, the volume of water contained by the piping from an individual fixture to its connection to the piping that is part of the temperature maintenance system shall not exceed 1 gallon. The water contained in the piping between the fixture shutoff and the fixture shall not be included in the maximum volume calculation.
- [RFA PB0201](#) – James Ellis, MIFIB, Chapter 11, Section 1101.12 Siphonic Drainage | **Rec'd 5/2/2025**
 - James Ellis summarized RFA PB0201, and Bill Ross (via WebEx) clarified key areas.
 - **The Committee generally agrees with the ideas set forth in RFA PB0201, but because RFA PB0201 does not clearly articulate proposed language or edits and revisions for consideration, the Committee did not recommend either approving or disapproving RFA PB0201. The topic of siphonic drainage addressed by RFA PB0201 will be discussed further during the Committee's consideration of RFA PB0207.**

The Committee took a short break from 10 a.m. to 10:12 a.m.

- [RFA PB0202](#) – Jason Krueger (Ray Pierson with Rinker Materials addressed the Committee), MN Concrete Pipe Assoc., Section 719.6 Manholes | Rec'd 6/2/2025
 - **The Committee recommends against adopting RFA PB0202 as presented, and instead recommends retaining the language as amended in the 2020 MN Plumbing Code.**
- [RFA PB0203](#) – Jason Krueger (Ray Pierson addressed the Committee), MN Concrete Pipe, Section 1101.4.7 Storm Drainage | Rec'd 6/2/2025
 - **The Committee recommends against adopting RFA PB0203 in its current form. A revised version of RFA PB0203 (and PB0174) will be considered only if it is resubmitted with official documentation from IAPMO, including exact language and confirmation of the 2027 publication date.**
- [RFA PB0205](#) – Anita Anderson, Chapter 6, PVC | Rec'd 6/2/2025
 - Mike Cudahy, PPFA, commented that PVC is very frequently used indoors for pool filtration packages or engineered systems, but the same issues apply – avoid the high-temperature

spaces. The temperature pressure derating remaining at 140°F is only 20% of the pressure capacity at room temperature, and **the industry does not recommend its use.**

- **The Committee recommends against adopting RFA PB0205 as presented. While the Committee recognizes that PVC may be appropriate in specific applications, the Committee's position is that it ought to be proposed as an alternate means and method, accompanied by supporting documentation from the manufacturer.**

The Committee took a lunch recess from 11:45 a.m. to 12:48 p.m.

- RFA PB0206 – Richard Becker, Chapter 11, 1101.12.2.2.2 Combined System | **Revised 7/2/2025**
 - **The Committee will recommend adopting RFA PB0206 with the following revised language:** 1101.12.2.2.2 Combined System. The secondary roof drains shall connect to the vertical piping of the primary storm drainage conductor downstream of the last horizontal offset located below the roof. The primary storm drainage system shall connect to the building storm water that connects to an underground public storm sewer. The combined secondary and primary roof drain systems shall be sized in accordance with Section 1103.0 based on double the rainfall rate for the ~~local area~~ required by 1103.0.
1101.12.2.2.3 Notification. Where secondary roof drains are connected according to 1101.12.2.2.2, the secondary roof drainage system shall be provided with means to provide automatic notification of flow in the secondary system. This system shall provide notification at all times to a person responsible for building maintenance or the building owner.
 - **Send revised RFA to Chris**
- RFA PB0207 – Richard Becker, Chapter 11, 1106 Siphonic Roof Drainage System | **Revised 7/2/2025**
 - **The Committee will recommend adopting RFA PB0207 with revisions as follows:** ~~1101.12.2.2 Engineered System. Engineered siphonic roof drainage systems must not be utilized in the design of a secondary roof drainage system.~~ Engineered siphonic roof drainage systems may be utilized in the design of a secondary roof drainage system and shall be designed in accordance with ASPE/ANSI 45 Siphonic Roof Drainage Standard.
Amend Table 1701.1 ASPE/ANSI 45-2018 2025

The tabled items below were addressed:

Chapter 11 – 1106.0 Siphonic Roof Drainage System

- 1106.1 General Requirements – Leave as amended in 2020 MN Plumbing Code
- 1106.2 Design Criteria – Leave as amended in 2020 MN Plumbing Code
- 1106.2.1 Sizing – Leave as amended in 2020 MN Plumbing Code
- 1106.2.2 Design – Leave as amended in 2020 MN Plumbing Code
- 1106.2.3 Roof Drain Bodies – Leave as amended in 2020 MN Plumbing Code
- 1106.2.4 Water Accumulation – Leave as amended in 2020 MN Plumbing Code
- 1106.2.5 Pipe Size and Cleanouts – Leave as amended in 2020 MN Plumbing Code
- 1106.2.6 Horizontal Pipes – Leave as amended in 2020 MN Plumbing Code
- 1106.2.7 Plans and Specifications – Leave as amended in 2020 MN Plumbing Code
- 1106.2.8 Markings – Leave as amended in 2020 MN Plumbing Code
- 1106.2.9 Transition Locations – Leave as amended in 2020 MN Plumbing Code
- 1106.2.10 Required Submissions – Leave as amended in 2020 MN Plumbing Code
- 1106.3 Proof of Suitability – Leave as amended in 2020 MN Plumbing Code
- 1106.3.1 Testing – Leave as amended in 2020 MN Plumbing Code
- 1106.3.2 Written Certification – Leave as amended in 2020 MN Plumbing Code

Chapter 4

- 414.2 Backflow Protection – Keep as shown in the 2024 UPC
- 418.3 Location Of Floor Drains – Keep as shown in the 2024 UPC

Chapter 6

- 603.5.6 Protection from Lawn Sprinkler and Irrigation Systems – Keep as shown in the 2024 UPC
- 609.1.1 – Leave as amended in the 2020 MN Plumbing Code
- 610.5 Sizing per Appendices A and C: Keep as shown in 2024 UPC with removal of references to Appendix C

Chapter 7

- 717.1 General – Keep as shown in 2024 UPC with the following revision: 717.1 General. The minimum size of a building sewer shall be determined on the basis of the total number of fixture units drained by such sewer, in accordance with Table 717.1. No building sewer shall be smaller than the building drain. ~~For alternate methods of sizing building sewers, see Appendix C.~~

Chapter 9

- 909.1 – **Tabled until August – Review an RFA from DLI to explore how to incorporate language that includes the MDH 132 (O)(3) Island Venting diagram illustration** – see **Attachment A**. **The proposed language was discussed but not approved/finalized, as follows:** 909.1 General. Traps for island sinks and similar equipment shall be roughed in above the floor and shall be permitted to be vented by extending the vent as high as possible, but not less than the drainboard height and then returning it downward and connecting it to the horizontal sink drain ~~immediately~~ downstream from the vertical fixture drain. The return vent shall be connected to the horizontal drain through an approved drainage ~~an approved drainage wye branch~~ fitting and shall, in addition, be provided with a foot vent taken off the vertical fixture vent by means of an approved drainage fitting ~~approved drainage fitting wye branch immediately~~ below the floor and extending to the nearest partition and then through the roof to the open air, or shall be permitted to be connected to other vents at a point not less than 6 inches (152 mm) above the flood-level rim of the fixtures served.
Drainage fittings shall be used on the vent below the floor level, and a slope of not less than 1/4 inch per foot (20.8 mm/m) back to the drain shall be maintained. The return bend used under the drainboard shall be a one-piece fitting or an assembly of a 45 degree (0.79 rad), a 90 degree (1.57 rad), and a 45 degree (0.79 rad) elbow in the order named. Pipe sizing shall be as elsewhere required in this code. The island sink drain, upstream of the returned vent, shall serve no other fixtures. An accessible cleanout shall be installed in the vertical portion of the foot vent.

Chapter 10

- 1014.2 Hydromechanical Grease Interceptors and Tables – Keep as shown in the 2024 UPC
- 1017.2 Interceptor Design Alternatives – RFA PB0195, Justin Parizek, was approved on April 29, 2025. Revisit only if Westemeier and/or Becker bring forward revised language.

At the Committee's final meeting on August 6, 2025, the agenda will include any new RFA numbers, related matters, and tabled items (**909.1 General and 1105.0 Control Flow Roof Drainage**). The Committee will also review and, if necessary, revise any discrepancies in previous meeting minutes or RFAs. Additionally, potential rulemaking recommendations for the Plumbing Board may be discussed.

6. **Announcements**

- Meeting notices will be distributed to the Plumbing Board's interested parties one week in advance. To be added to this email group, please send your request to lyndy.logan@state.mn.us
- The final meeting will be held on August 6, 2025, in person at DLI in the Isanti Room. Remote attendance options include WebEx and phone. The meeting will start at 9 a.m.

7. **Adjournment**

A motion was made by Westemeier, seconded by Parizek, to adjourn the meeting at 2:34 p.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.