

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

Date: Oct. 3, 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. Justin Parizek
3. Mike Westemeier (DLI CO's Designee)

Committee Members Absent

Richard Becker (Chair)

DLI Staff & Visitors

Adam Case (Board Counsel, DLI) – WebEx
Krystle Conley (DLI) – WebEx
Allison Eastham (DLI)

DLI Staff & Visitors continued...

Lyndy Logan (DLI)
Brad Jensen (DLI)
Steve Neubel (DLI) – WebEx
Nick Erickson (Housing First)
Steve Fernlund (City of St. Paul)
Mike Johnson (J-Berd Mech)
Chris Lawson (DNR) – WebEx
Stephanie Menning (MUCA) – WebEx
Bradley Peters (Rochester Comm. Dev.) – WebEx
Jim Peterson (MN PHCC)
Jarrett Purdue (Dept. of Natural Res) – WebEx

1. Call to Order

- A. The meeting was called to order by Committee Secretary Abrahamson at 9:08 a.m. Committee Secretary Abrahamson took roll call, and a quorum was declared with 3 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 discussed and WebEx instructions are posted on the Committee's website.

2. Approval of meeting agenda

A motion was made by Westemeier, seconded by Parizek, to approve the agenda as presented. The vote was unanimous with 3 votes in favor; the motion carried.

3. Approval of previous meeting minutes

A motion was made by Abrahamson, seconded by Westemeier, to approve the Sept. 4, 2024, minutes as presented. The vote was unanimous with 3 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 PBO163](#) – 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 PBO164](#) – 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 PBO165](#) – Lew Anderson (Section 311.1) – Rec’d 2/5/2024
 - **Oct. 3, 2024: Review it at the December meeting and include building code experts in the discussion.**
 - 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 PBO166](#) – Lowry Engineering (Chapter 11) – Revised rec’d 9.4.2024
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule discussion date.**
 - Sept. 4, 2024: Jon Lowry addressed the Committee and explained the diagrams on pages 5 and 6 of his submittal. This RFA was tabled.
- f. [RFA PBO167](#) – Kyle Dimler (Section 310.5) – Rec’d 3/6/2024
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule discussion date.**
 - Sept. 4, 2024: Tabled, will announce at the October meeting when 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.

- 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 it at the November 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
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule a discussion date.**
 - 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.
- i. [RFA PB0170](#) – Eric Thompson (Chapter 10, Section 1014.2) – Rec'd 5/16/2024
 - **Oct. 3, 2024: Will review it at the November meeting**
- j. [RFA PB0171](#) – Jim Peterson (Chapter 4) – Rec'd 6/25/2024
 - **Oct. 3, 2024: Will review it at the December meeting**
- k. [RFA PB0173](#) – Scott Thompson (Chapter 6, Section 609.10) – Rec'd 6/27/2024
 - **Oct. 3, 2024: Will review it at the November meeting**
- l. [RFA PB0174](#) – Minnesota Concrete Pipe Association (Chapter 11) – Rec'd 8/5/2024 (added after the August 7th meeting concluded)
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule a discussion date.**
 - 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.
- m. [RFA PB0175](#) – City of Minneapolis (Chapter 6, Section 603.5.14) – Rec'd 7/31/2024
 - **Oct. 3, 2024: Will review it at the November meeting**
- n. [RFA PB0176](#) – City of St. Paul (Appendix M) – Rec'd 8/16/2024
 - **Sept. 4, 2024: Tabled until a later date.** A letter of support was received from the Minnesota Plumbing-Heating-Cooling Contractors Association recommending the adoption of the 2024 UPC Appendix M "Peak Water Demand Calculator" into the Minnesota Plumbing Code.
- l. [RFA PB0177](#) – Karl Abrahamson (Chapter 11, section 1101.1) – Rec'd 8/29/2024
 - Sept. 4, 2024: Pulled 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.
- m. [RFA PB0178](#) – Jarrett Purdue (Chapter 11) – Rec'd 9/4/2024
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule a discussion date.**
- n. [RFA PB0179](#) – Brad Harrison (Chapter 7) – Rec'd 9/30/2024
 - **Oct. 3, 2024: Waiting on information from IAPMO – need to schedule a discussion date.**
- o. [RFA PB0180](#) – Renee Eddy (Chapter 5) – Rec'd 9/30/2024
 - **Oct. 3, 2024: Will review at the November meeting**

p. [RFA PB0181](#) – Lewis Anderson (Chapter 8) – Rec'd 10/3/2024

- **Oct. 3, 2024: Will review at the November meeting**

q. [RFA PB0182](#) – Lewis Anderson (Chapter 6) – Rec'd 10/3/2024

- **Oct. 3, 2024: Will review at the November meeting**

B. Review and discussion of tabled items from chapters 1-11

Chapter 2

- 203 – Appliance: Keep the definition of “appliance” as shown in 2024 UPC – definitions of “appliance low-heat” and “appliance medium-heat.”
- 203 – Building Drain (Storm): discuss with RFA PB0167.
- 205 – Circuit Vent: keep as shown in 2024 UPC.
- 206 – Diverter Valve, Gray Water: Discuss with Chapter 15.
- 206 – Drain: keep as shown in 2024 UPC.
- 206 – Drainage System: keep as amended in 2020 MPC.
- 207 – Existing Work: recommend amending to use language similar to building code with the following revision:
“A plumbing system that or any part thereof that has been installed prior to the effective date of this code, **or one for which a legal plumbing permit has been issued.**”
- 209 – Ground Water: Revisit when reviewing relevant sections of the body the code. Recommend keeping as shown in 2024 UPC unless changes to relevant portions of the code require revision.
- 215 – Mulch: revisit when reviewing relevant sections of the code.
- 215 – Mulch Basin: Revisit when reviewing relevant sections of the code.
- 222 – T Rating: keep as shown in 2024 UPC.
- 225 – Wet Procedure Locations: delete.

Chapter 3

- 311.1 – General: revisit with PB0165.
- 317.1 – General: keep as amended in 2020 MPC.

Chapter 4

- 408.2 – Tileable Shower Receptors: revisit with PB0171.
- 408.8.5 – Lining for Showers and Receptors: revisit with PB0171.
- 411.4 – Personal Hygiene Devices: keep tabled until DLI submits RFA.

Chapter 6

- 601.2.2 – How Water Recirculation: keep tabled until Becker submits RFA.
- 603.5.4 (.1 & .2) –Heat Exchangers: keep as shown in 2024 UPC.
- 603.5.6 – Protection from Lawn Sprinkler and Irrigation Systems: Keep tabled until the information is received from IAPMO.
- 603.5.18 – Pure Water Process Systems: revisit in December meeting.
- 603.5.18.1 – Dialysis Water Systems: revisit in December meeting.
- 603.1.3 – Mechanical Joints: revisit in December meeting with additional information from DLI staff.
- 605.7.1.1 – Compression Joints: revisit in December meeting with additional information from DLI staff.
- 609.8.3 – Hot Water Recirculating Pumps: keep tabled until information about the energy code is received.
- 609.11 – Water Hammer: keep tabled until RFA Becker submits RFA.
- 610.5 – Sizing per Appendices A and C: revisit when reviewing Appendices A and C.

- 611.1 – Application: revisit with PB0168.
- 611.1.2 – Alkaline Water Treatment: revisit with PB0168.
- 611.1.2 – Scale Reduction Devices: revisit with PB0168.
- 611.2 – Air Gap Discharge: revisit with PB0168.
- 611.3 – Connection Tubing: revisit with PB0168.
- 611.4 – Sizing of Residential Softeners: revisit with PB0168.
- Table 611.4 – Sizing of Residential Water Softeners: revisit with PB0168.
- 611.5 – Isolation and Bypass – from 2020 MPC: revisit with PB0168.

Chapter 7

- 701.2 – Drainage Piping: keep table until Westemeier submits RFA.
- 712.4 – Negative Test: keep as amended in 2020 MPC.
- 717.1 – General: circle back with review of Appendix C.
- 719.6 – Manholes: revisit in December with additional information from DLI.

Chapter 10

- 1014.3.4 – Location: keep table until DLI submits RFA.
- 1017.0 – Oil and Flammable Liquid Interceptors: keep table until Parizek submits RFA.
- 1017.1 – Interceptors Required: keep table until Parizek submits RFA.
- 1017.2 – Interceptor Design Alternatives: keep table until Becker submits RFA.

Chapter 11

- 1106.0 – Siphonic Roof Drainage: keep table until Becker submits RFA.
- 1106.1 – General Requirements: keep table until Becker submits RFA.
- 1106.2 – Design Criteria: keep table until Becker submits RFA.
- 1106.2.1 – Sizing: keep table until Becker submits RFA.
- 1106.2.2 – Design: keep table until Becker submits RFA.
- 1106.2.3 – Roof Drain Bodies: keep table until Becker submits RFA.
- 1106.2.4 – Water Accumulation: keep table until Becker submits RFA.
- 1106.2.5 – Pipe Size and Cleanouts: keep table until Becker submits RFA.
- 1106.2.6 – Horizontal Pipes: keep table until Becker submits RFA.
- 1106.2.7 – Plans and Specifications: keep table until Becker submits RFA.
- 1106.2.8 – Markings: keep table until Becker submits RFA.
- 1106.2.9 – Transition Locations: keep table until Becker submits RFA.
- 1106.2.10 – Required Submissions: keep table until Becker submits RFA.
- 1106.3 – Proof of Suitability: keep table until Becker submits RFA.
- 1106.3.1 – Testing: keep table until Becker submits RFA.
- 1106.3.3 – Written Certification: keep table until Becker submits RFA.

At the next meeting, the Committee will review and discuss the outstanding RFA numbers PB0168, PB0170, PB0173, PB0175, PB0180, PB0181, and PB0182. If time permits, also address the appendices and related sections. The Committee needs to schedule the following outstanding RFAs for further review and discussion: PB0161, PB0166, PB0167, PB0169, PB0174, PB0176, PB0178, and PB0179. Discuss potential rulemaking recommendations for the Plumbing Board.

November meeting:

- **RFA 168, 611 Water Conditioning**
- **RFA 170, 1014.2 Hydromechanical grease interceptors**
- **RFA 173, 609.10.11 Water Hammer**
- **RFA 175 Backflow protection fire systems**

- **RFA 180 Table 501.1 (2)**
- **RFA 181, 814 Condensate Piping**
- **RFA 182, 601.3.3 Pipe Labeling**

December meeting:

- RFA 165, 311.1 Use of Public Sewer (review tabled item 311.1 with RFA)
- RFA 171, 408 Shower pan liners (review tabled items 408.2 408.8.5-.7.5 with RFA 171)
- Tabled item, 603.5.18 Pure Water Process Systems. DLI staff to review and bring info to the meeting.
- Tabled item, 603.5.18.1 Dialysis Water Systems, DLI staff to review and bring info to the meeting.
- Tabled item, 605.1.3 Mechanical Joints. Brad/DLI staff to review and bring info to the meeting.
- Tabled item, 605.7.1.1 Compression Joints. DLI staff to review and bring info to the meeting.
- Tabled item, 609.8.3 Hot-Water Recirculating Pumps. DLI Staff to review and bring info to the meeting.
- Tabled item 719.6, Manholes. Brad/DLI to review and bring info to the meeting.

Remaining RFA's that need to be assigned a discussion date:

- RFA 161, 309 Workmanship
- RFA 166, 1101.1 Applicability
- RFA 167, 310.5
- RFA 169, 702.3, 1102.4
- RFA 174 Chapter 11 Material
- RFA 176, Appendix M
- RFA 178, Chapter 11
- RFA 179, Table 701.2 C900 Material

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.

- November 6, 2024, Minnesota Room
- Wednesday, December 4, 2024
- Thursday, January 2, 2025
- Wednesday, February 5, 2025

7. **Adjournment**

A motion was made by Westemeier, seconded by Parizek, to adjourn the meeting at 10:44 a.m. The vote was unanimous with 3 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.