

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

Date: June 25, 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)
Lyndy Logan (DLI)
Brad Jensen (DLI)
Steve Neubel (DLI) – WebEx

DLI Staff & Visitors continued...

Anita Anderson (MDH) – WebEx
Jake Brunoehler (Adspipe) – WebEx
Nick Erickson (Housing First)
John Galt (U of M) – WebEx
Lori Jansen (MNVQA) – WebEx
Mike Johnson (J Berd Mech)
Jonathan Lemke (Plumbing Board)
Stephanie Menning (MUCA) – WebEx
Tom Pahkala (Local 15) – WebEx
Bradley Peters (Rochester Comm. Dev.) – WebEx
Jim Peterson (MN PHCC)
David Skallet (City of St. Louis Park) – WebEx
Scott Thompson (My Plumbing Training)

1. **Call to Order**

- A. The meeting was called to order by Board Chair Becker at 9:01 a.m. Roll call was taken by Committee Secretary Abrahamson 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 Parizek, to approve the June 5, 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)

- **June 18, 2024: Abrahamson re-submitted his RFA – 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)

- 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)

- **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:
 - 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)

- **April 30, 2024: The Committee stated they will review language at a later date and building code experts will be involved in the meeting 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)
 - **Review with Chapter 11**
 - f. [RFA PB0167](#) – Kyle Dimler (Section 310.5)
 - **Review with Chapter 11**
 - g. RFA PB0168 – Jeffrey Hill (Section 611.0)
 - **April 30, 2024: Hill summarized his proposed language, 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)
 - **Review with Chapter 11**
 - i. [RFA PB0170](#) – Eric Thompson (Chapter 10, Section 1014.2)
 - **Review with Chapter 10**
 - j. [RFA PB0171](#) – Jim Peterson (Chapter 4)
 - **Review at a later date**
- B. Continue review/discussion beginning with chapter 7, section 706.1, of the 2024 Uniform Plumbing Code (UPC), and any tangential sections, and as time permits, chapters 8 & 9, and discuss possible rulemaking recommendations to the Plumbing Board.

Chapter 7

706.0 Changes in Direction of Drainage Flow

- 706.1 – keep as shown in the 2024 UPC
- 706.2 – keep as shown in the 2024 UPC
- 706.3 – keep as shown in the 2024 UPC unless an RFA or RFI is submitted
- 706.4 – keep as shown in the 2024 UPC

707.0 Cleanouts

- 707.1 – keep as shown in the 2024 UPC
- Table 707.1 – keep as shown in the 2024 UPC
- 707.2 – keep as shown in the 2024 UPC
- Table 707.2 – keep as shown in the 2024 UPC
- 707.3 – keep as shown in the 2024 UPC
- 707.4 – keep as shown in the 2024 UPC
- 707.4.1 – keep as shown in the 2024 UPC
- 707.5 – keep as shown in the 2024 UPC
- 707.6 – keep as shown in the 2024 UPC
- 707.7 – keep as shown in the 2024 UPC
- 707.8 – keep as shown in the 2024 UPC
- 707.9 – keep as shown in the 2024 UPC
- 707.10 – keep as shown in the 2024 UPC
- 707.11 – keep as shown in the 2024 UPC

- 707.12 – keep as shown in the 2024 UPC
- 707.13 – keep as shown in the 2024 UPC
- 707.14 – keep as shown in the 2024 UPC

708.0 Grade of Horizontal Drainage Piping

- 708.1 – keep as shown in the 2024 UPC

709.0 Gravity Drainage Required

- 709.1 – keep as shown in the 2024 UPC

710.0 Drainage of Fixtures Located Below the Next Upstream Manhole or Below the Main Sewer Level

- 710.1 – keep as shown in the 2024 UPC
- 710.2 – keep as shown in the 2024 UPC
- 710.3 – keep as shown in the 2024 UPC
- 710.4 – keep as shown in the 2024 UPC
- 710.5 – keep as shown in the 2024 UPC
- 710.6 – keep as shown in the 2024 UPC
- 710.7 – keep as shown in the 2024 UPC
- 710.8 – keep as shown in the 2024 UPC
- 710.9 – keep as shown in the 2024 UPC
- 710.10 – leave as amended in the 2020 MN Plumbing Code
- 710.11 – keep as shown in the 2024 UPC
- 710.12 – leave as amended in the 2020 MN Plumbing Code
- 710.12.1 – keep as shown in the 2024 UPC
- 710.13 – leave as amended in the 2020 MN Plumbing Code
- 710.13.1 – keep as shown in the 2024 UPC
- 710.13.2 – keep as shown in the 2024 UPC
- 710.13.3 – keep as shown in the 2024 UPC

711.0 Suds Relief

- 711.1 – keep as shown in the 2024 UPC

712.0 Testing

- 712.1 – leave as amended in the 2020 MN Plumbing Code
- 712.2 – keep as shown in the 2024 UPC
- 712.3 – keep as shown in the 2024 UPC
- 712.4 – leave as amended in the 2020 MN Plumbing Code **with the following revision:**
 - **712.4 Negative Test.** *Concrete manholes and sewer lines shall be tested by negative pressure in accordance with ASTM Standards C1214-19 and C1244-~~17~~20 or the Hydrostatic Test Method in section **1107.2.3(B)**. **Review with Chapter 11 to ensure 1107.2.3(B) is a valid reference***

- 712.5 – leave as amended in the 2020 MN Plumbing Code **with the following revision:**
 - *Finished Plumbing. After the plumbing fixtures have been set and their traps filled with water, their connections shall be tested and proven gastight and watertight by plugging the stack openings on the roof and the building drain where it leaves the building, and air introduced into the system equal to the pressure of a 1-inch water column. Such pressure shall remain constant for the duration of the inspection, but not to exceed 15 minutes without the introduction of additional air.*
- 712.6 – leave as amended in the 2020 MN Plumbing Code

713.0 Sewer Required

- 713.1 – leave as amended in the 2020 MN Plumbing Code
- 713.2 – leave as amended in the 2020 MN Plumbing Code
- 713.3 – keep as shown in the 2024 UPC
- 713.4 – keep as shown in the 2024 UPC
- 713.5 – leave as amended in the 2020 MN Plumbing Code
- 713.6 – keep as shown in the 2024 UPC
- 713.7 – leave as amended in the 2020 MN Plumbing Code

714.0 Damage to Public Sewer or Private Sewage Disposal System

- 714.1 – keep as shown in the 2024 UPC
- 714.2 – keep as shown in the 2024 UPC
- 714.3 – keep as shown in the 2024 UPC
- 714.4 – keep as shown in the 2024 UPC
- 714.5 – leave as amended in the 2020 MN Plumbing Code **with the following revision:** *714.5 Tanks. An approved-type~~d~~, watertight sewage or wastewater holding tank, the contents of which, due to their character, shall be periodically removed and disposed of at some approved off-site location, shall be installed where required by the Authority Having Jurisdiction to prevent anticipated surface or subsurface contamination or pollution, damage to the public sewer, or other hazardous or nuisance conditions.*

715.0 Building Sewer Materials

- 715.1 – keep as shown in the 2024 UPC
- 715.2 – keep as shown in the 2024 UPC
- 715.3 – keep as shown in the 2024 UPC
- 715.3.1 – keep as shown in the 2024 UPC **with the following revision:** *Sewer Pipe Lining. For trenchless installation of resin-impregnated flexible tubing to line existing building sewers and building storm sewers installation shall be in accordance with ASTM F1216, ASTM F2561, ASTM F2599, or ASTM F3240. Replacement using cured-in-place pipe liners shall not be used on collapsed piping or when the existing piping is compromised to a point where the installation of the liners will not eliminate hazardous or insanitary conditions.*
- 715.3.2 – keep as shown in the 2024 UPC

716.0 Markings

- 716.1 – keep as shown in the 2024 UPC

717.0 Size of Building Sewers

- 717.1 – Keep as shown in 2024 UPC. Circle back when looking at appendix C
- Table 717.1 – leave as amended in the 2020 MN Plumbing Code

718.0 Grade, Support, and Protection of Building Sewers

- 718.1 – keep as shown in the 2024 UPC
- 718.2 – keep as shown in the 2024 UPC
- 718.3 – keep as shown in the 2024 UPC

719.0 Cleanouts

- 719.1 – keep as shown in the 2024 UPC
- 719.2 – keep as shown in the 2024 UPC
- 719.3 – keep as shown in the 2024 UPC
- 719.4 – keep as shown in the 2024 UPC
- 719.5 – keep as shown in the 2024 UPC
- 719.6 – **review at a later date**

720.0 Sewer and Water Pipes

- 720.1 – keep as shown in the 2024 UPC
- Table 720.1 – leave as amended in the 2020 MN Plumbing Code
- 720.2 – keep as shown in the 2024 UPC
- 721.0 - Keep as shown in 2024 UPC
- Table 721.1- Keep as amended in the 2020 MPC
- 721.1 - Keep as shown in 2024 UPC
- 721.2 - Keep as shown in 2024 UPC
- 722.0 - Keep as amended in the 2020 MPC
- 722.1 - Keep as amended in the 2020 MPC
- 722.2 - Keep as amended in the 2020 MPC
- 722.3 - Keep as amended in the 2020 MPC
- 722.4 - Keep as amended in the 2020 MPC
- 722.5 - Keep as amended in the 2020 MPC
- 723.0 - Keep as amended in the 2020 MPC
- 723.1 – leave as amended in the 2020 MN Plumbing Code
- 724.0 - Keep as amended in the 2020 MPC
- 724.1 – leave as amended in the 2020 MN Plumbing Code

Chapter 8

801.0 General

- 801.1 – keep as shown in the 2024 UPC
- 801.2 – keep as shown in the 2024 UPC
- 801.3 – keep as shown in the 2024 UPC
- 801.3.1 – keep as shown in the 2024 UPC

- 801.3.2 – leave as amended in the 2020 MN Plumbing Code
- 801.3.3 – leave as amended in the 2020 MN Plumbing Code
- 801.4 – **leave as amended in the 2020 MN Plumbing Code (deleted in its entirety) unless an RFA is brought forward**
- 801.5 – keep as shown in the 2024 UPC
- 801.6 – keep as shown in the 2024 UPC
- 801.7 – keep as shown in the 2024 UPC

802.0 Approvals

- 801.1 – keep as shown in the 2024 UPC

803.0 Indirect Waste Piping

- 803.1 – keep as shown in the 2024 UPC
- 803.2 – keep as shown in the 2024 UPC
- 803.3 – keep as shown in the 2024 UPC

804.0 Indirect Waste Receptors

- 804.1 – keep as shown in the 2024 UPC
- 804.2 – leave as amended in the 2020 MN Plumbing Code

805.0 Pressure Drainage Connections

- 805.1 – keep as shown in the 2024 UPC

806.0 Sterile Equipment

- 806.1 – keep as shown in the 2024 UPC

807.0 Appliances

- 807.1 – keep as shown in the 2024 UPC
- 807.2 – keep as shown in the 2024 UPC
- 807.3 – leave as amended in the 2020 MN Plumbing Code

808.0 Cooling Water

- 808.1 – keep as shown in the 2024 UPC

809.0 Drinking Fountains

- 809.1 – keep as shown in the 2024 UPC

810.0 Steam and Hot Water Drainage Condensers and Sumps

- 810.1 – leave as amended in the 2020 MN Plumbing Code
- Table 810.1 – leave as amended in the 2020 MN Plumbing Code (deleted in its entirety)
- 810.2 – keep as shown in the 2024 UPC
- 810.3 – keep as shown in the 2024 UPC
- 810.4 – keep as shown in the 2024 UPC

811.0 Chemical Wastes

- 811.1 – keep as shown in the 2024 UPC
- 811.2 – keep as shown in the 2024 UPC
- 811.3 – keep as shown in the 2024 UPC
- 811.4 – keep as shown in the 2024 UPC
- 811.5 – keep as shown in the 2024 UPC
- 811.6 – keep as shown in the 2024 UPC
- 811.7 – keep as shown in the 2024 UPC
- 811.8 – keep as shown in the 2024 UPC
- 811.9 – leave as amended in the 2020 MN Plumbing Code

812.0 Clear Water Wastes

- 812.1 – keep as shown in the 2024 UPC

813.0 Swimming Pools

- 813.1 – leave as amended in the 2020 MN Plumbing Code

814.0 Condensate Waste and Control

- 814.1 – leave as amended in the 2020 MN Plumbing Code
- 814.1.1 – delete in its entirety
- 814.2 – keep as shown in the 2024 UPC
- 814.2.1 – keep as shown in the 2024 UPC
- 814.3, 814.4, & Table 814.3 – leave as amended in the 2020 MN Plumbing Code
- 814.5 – leave as amended in the 2020 MN Plumbing Code
- 814.6 – keep as shown in the 2024 UPC
- 814.7 – keep as shown in the 2024 UPC

At the next meeting, the Committee will continue the review/discussion beginning with chapter 9, section 901.0, of the 2024 Uniform Plumbing Code (UPC), and any tangential sections, and as time permits, chapter 10 and/or review of previously tabled items; discuss possible rulemaking recommendations to the Plumbing Board.

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.

- August 7, 2024, Washington Room
- September 4, 2024, Minnesota Room
- 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 11:33 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.