Meeting Minutes: Plumbing Board

Date: October 21, 2025
Time: 9:30 a.m.
Minutes by: Lyndy Logan
Location: Minnesota Room, DLI, 443 Lafayette Rd. No., St. Paul, MN 55155

Members

1. Karl Abrahamson (Chair)
2. Sam Arnold
3. Richard Becker
4. Kent Erickson (Vice Chair)
5. Adam Johnson – WebEx
6. Jonathan Lemke (Secretary)
7. Justin Parizek – WebEx
8. Bruce Pylkas
9. Scott Stewart
10. Rick Wahlen
11. Mike Westemeier (DLI CO's Designee) – WebEx
12. Shane Willis – WebEx
13. Philip Wood – WebEx

David Weum (MDH CO's Designee, Non-V) – WebEx

Members Absent

None

DLI Staff & Visitors

Daniel Becker (DLI) – WebEx
Paul Enger (Board Counsel, DLI)
Ken McGurran (Board Counsel, DLI)
Thomas Eisert (DLI) – WebEx

DLI Staff & Visitors

Brad Jensen (DLI)
Lyndy Logan (DLI)
Steve Nuebel (DLI)
Sean O'Neil (DLI)
Kara Topper (DLI)
Zebulon Bozovsky (DLI) – WebEx
Anita Anderson (MDH) – WebEx
Jason Bethke (City of Blaine) – WebEx
Ross Bundy (J-Berd Mechanical)
Kyle Dimler (City of Hutchinson)
Nick Erickson (Housing First)
Eric Gander (Superior Mechanical) – WebEx
Paul Heuer (Pulte Group) – WebEx
Michael Himmerich (Stantec) – WebEx
Mike Johnson (J-Berd Mechanical)
John Paulson (Apex Engineering)
Jim Peterson (MN PHCC)
David Radziej (MN PHCC)
Pat Sveum (Stantec) – WebEx
Adam Swan (U of M) – WebEx
Scott Thompson (My Plumbing Training)
Lisa Tilman (Stantec) – WebEx
Chad Whiting (U of M) – WebEx

1. Call to Order, Chair

A. **Chair Karl Abrahamson ("Abrahamson")** called the meeting to order at 9:45 AM. Secretary Lemke took roll call, and a quorum was declared with 13 of 13 voting members present in person or via WebEx.

B. Announcements – Introductions (members and attendees) – Chair Abrahamson

- Everyone present in person and remotely can hear all discussions.
- All votes will be taken by roll call if any member attends remotely.
- All handouts discussed and WebEx instructions are posted on the Board's website.
- WebEx instructions/procedures can be found on the board's website at: https://www.dli.mn.gov/about-department/boards-and-councils/plumbing-board

2. Approval of meeting agenda

A motion was made by **Richard Becker ("Becker"),** seconded by **Kent Erickson ("Erickson")**, to approve the agenda as presented. The roll call vote passed unanimously with 13 votes in favor; the motion carried.

3. Approval of previous meeting minutes

A. A motion was made by **Rick Wahlen ("Wahlen")**, seconded by **Becker**, to approve the July 15, 2025, regular meeting minutes as presented. The vote passed unanimously with 13 votes in favor; the motion carried.

B. A motion was made by Becker, seconded by **Bruce Pylkas ("Pylkas")**, to approve the Aug. 6, 2025, special 2024 UPC ad hoc Rulemaking Committee minutes as presented. The vote passed unanimously with 13 votes in favor; the motion carried.

4. Regular Business

A. Lyndy Logan will submit expense reports to DLI's Financial Services.

B. **Enforcement & Licensing update – Sean O'Neil**

- Plumbing enforcement actions are updated monthly and can be found here: https://www.dli.mn.gov/business/plumbing-contractors/plumbing-enforcement-actions.
- Contractors who have been fined due to unlicensed activity can be viewed in the CCLD Review Newsletter.
- **Licensing Unit/License & Registrations**
  - Plumbing contractors 1,759
  - Registered employers 60
  - Master plumbers 3,561
  - Journeyworker plumbers 3,645
  - Registered unlicensed plumbers 5,911
  - Water conditioning contractors 71
  - WC masters 134
  - WC journey workers 188
  - Registered unlicensed WC 174
  - Backflow prevention testers 798
  - Backflow prevention rebuilders 931
  - Pipelaying Bond 301
  - Mechanical Bond 2,634
  - Med Gas Certification 215
  - Exam pass rates for 2025 YTD
    Master – 94% WC Master – 100%
    Journeyworker – 90% WC Journeyworker – 95%
  - DLI Apprenticeship Program Pass Rate (2025 YTD)
    Journeyworker – 98.42 %
- **Enforcement Unit**
  - Active plumbing investigations 104
  - Orders issued YTD 63
    - Suspension for child support deficiencies not published
  - Plumbing investigations closed 97
  - **Top 3 Violations/Allegations:**
    - (1) Unlicensed activity (2) Permits/Inspections (3) Supervision

C. **Department update – Mike Westemeier**

- The plan review unit maintained an approximate eight-week turnaround, consistent with what was reported at our previous meeting. Over 250–275 plans were submitted in September, marking a high-volume month.
- One plan reviewer position remains open; interviews have been completed, and background checks are underway.
- Inspector territories were slightly adjusted to accommodate a recent new hire.

5. Special Business

A. 2024 UPC ad hoc Rulemaking Committee recommendations – Chapters 1 through 4 (**see Attachment A**)

- **Abrahamson** noted the following:
  - The board began reviewing Chapters 1–4 of the proposed 2024 UPC recommendations.
  - RFAs will continue to be reviewed until the board completes its review of all recommended code changes.
  - RFAs submitted after the review concludes will be deferred to the next code cycle.
  - The 2024 UPC ad hoc committee conducted a thorough, item-by-item review with roundtable discussions involving all interested parties.
  - Public comments were accepted, and individuals wishing to address the board must submit an open forum request to Lyndy Logan.
  - The board is reviewing recommendations by chapter, not by individual code proposals.
  - The report includes only new code recommendations, RFA language, and amended language from the 2020 Minnesota Plumbing Code.
  - Unchanged 2024 UPC language identical to the 2020 code is not included in the report and will not be discussed unless prompted by new RFAs or board member concerns.

- **Chapter 1:** Abrahamson noted that there were no RFAs submitted for Chapter 1. The recommendation for Chapter 1 is to remove the 2024 UPC in its entirety and to reference Minnesota Rules Chapter 1300 administration rules.
  - **A motion was made by Becker, seconded by Sam Arnold ("Arnold"), to approve the UPC Committee's recommendations for Chapter 1 as presented. The vote passed unanimously with 13 votes in favor; the motion carried.**

- **Chapter 2** – Abrahamson noted that Chapter 2 included RFAs for new or revised definitions.
  - **The following line items were revised in Attachment A, as follows:**
    - **Lines 6, 7, 9:** The phrase "delete in MFGC" should be reworded to clarify that the item exists in the Minnesota Fuel Gas Code and does not need to be duplicated. Example language: Delete, it is in the MFGC.
    - **Line 8:** Westemeier noted that the recommendation from the Committee should read "delete in its entirety."
    - **Line 30:** Diverter valve (rainwater) will be reviewed with Chapter 15, not Chapter 2.
    - **Line 87:** T rating – only appears in Chapter 15 (related to fire stopping); recommended for removal from definitions since it's covered by the building code.
    - **A motion was made by Becker, seconded by Wahlen, to approve the UPC Committee's recommendations for Chapter 2 as presented in Attachment A, except for amendments to lines 6, 7, 8, 9, 30, and 87, as shown above. The vote passed unanimously with 13 votes in favor; the motion carried.**

- **Chapter 3** – Abrahamson noted that three RFAs were discussed in this chapter: PB0161, PB0165, and PB0167.
  - **The following line item was revised in Attachment A, as follows**:
    - A title was added to item 110: "Abandoned Piping"
    - **A motion was made by Becker, seconded by Pylkas, to approve the UPC Committee's recommendations for Chapter 3 with an amendment to assign the title of item 110 to "Abandoned Piping." The vote passed unanimously with 13 votes in favor; the motion carried.**

- **Chapter 4** – Abrahamson noted that five RFAs were discussed in this chapter: PB0164, PB0186, PB0187, PB0189, and PB0192.
  - **The following line item was revised in Attachment A, as follows**:
    - 110°F (43°C) ~~120°F (49°C)~~
    - **A motion was made by Richard Becker ("Becker"), seconded by Westemeier, to approve the UPC Committee's recommendations for Chapter 4 with an amendment to item 129: 110°F (43°C) ~~120°F (49°C).~~ The vote passed unanimously with 13 votes in favor; the motion carried.**

B. PB0209 RFA – Scott Thompson (**see Attachment B**)
- PB0209 was tabled and will be discussed during the review of Chapter 9.
- **A motion was made by Becker, seconded by Scott Stewart ("Stewart), to table RFA PB0209 until Chapter 9 is reviewed and discussed. The vote passed unanimously with 13 votes in favor; the motion carried**

C. Kyle Dimler, City of Hutchinson, MN Building Department, regarding PB0167, item #111 of **Attachment A**, 2024 UPC ad hoc Recommendations to MN Plumbing Board, Chapter 3
- Board Counsel Ken McGurran explained that the Board could choose to respond to Mr. Dimler's recommendation by amending its prior adoption of the 2024 UPC ad hoc Rulemaking Committee's recommendations regarding Chapter 3 (see above).
- The Board agreed to amend the language as noted in the motion below.
- A motion was made by Erickson, seconded by Wahlen, to amend PB0167 as follows (with Dimler's approval): A storm drainage system, which is designed to discharge in compliance with the design parameters of MN Rules chapter 7090 or the design parameters that govern pursuant to MN Statute 103D, shall not be considered an obstruction, as long as the ~~100 year High Water Level(HWL) of the design is below the invert of the storm water piping entering the building.~~ storm drainage system discharges to a stormwater treatment system at an elevation above the water quality volume. The vote passed unanimously with 13 votes in favor; the motion carried.

The Plumbing Board took a brief recess from 11:18 a.m. to 11:30 a.m.

6. Committee Reports

A. **2024 UPC ad hoc Chapter 15 Rulemaking Committee update – Chair Wahlen**
- Visit the UPC Committee's webpage for all RFAs received to date, meeting minutes, and future meeting dates.
- **Next Meeting Scheduled**: November 5, 2025.
- **RFAs Scheduled for Discussion**:
  - **PB0210**
  - **PB0211** – Focuses on the allowable use of alternate water.
  - **PB0212** – RFA to be provided by Jonathan Lemke.
  - **PB0213** – Recommended language being drafted by Mike Klostermeyer.
  - **PB0214** – Under review with comments from a previous meeting.
  - **PB0215** – Addresses input from Anita Anderson and Tani Eshenaur (Department of Health). [*MDH will submit a formal RFA, and Lyndy assigned it the number PB0215*]
- **Section 1503 – Gray Water Systems**:
  - Previously tabled for discussion with the Minnesota Pollution Control Agency - Corey Robinson participated at the last meeting. Resulted in a request for clarification on gray water systems. Robinson indicated he would submit an RFA.
  - **Decision made to delete Section 1503** to avoid licensing confusion and regulatory overlap with existing agency codes.

B. **Construction Codes Advisory Council (CCAC) – Abrahamson (representative) / Lemke (alternate)**

- **Abrahamson** noted that the presentation from the July 17, 2025, meeting can be viewed here

7. Complaints and Correspondence

None

8. Open Forum

At the Board's discretion, Open Forum comments related to past RFAs and recommendations of the 2024 UPC ad hoc Rulemaking Committee may be addressed during the Special Business portion of the meeting. **See Special Business for Kyle Dimler's request.**

9. Board Discussion

The Board members agreed to continue addressing the remaining recommendations of the 2024 UPC ad hoc Rulemaking Committee at the Board's next regular meeting on January 20, 2026. Additionally, the Board members agreed to hold special monthly meetings of approximately 2.5 hours each in November and December 2025 and February and March 2026 to continue addressing these recommendations. The Board members anticipate that the Board will finish its review of these recommendations by or during the Board's regular meeting on April 21, 2026.

10. Announcements

Regular and special meetings will be held at DLI with a WebEx and phone option, as follows:

- Special: Monday, Nov. 17, 2025, 9:30 AM to noon – Chapters 5, 6, 7, and 8
- Special: Monday, Dec. 1, 2025, 1 PM to 3:30 PM – Chapters TBD
- Regular: Jan. 20, 2026 (9:30 AM) – Chapters TBD
- Special: Feb. 24, 2026 - TBD – Chapters TBD
- Special: March 17, 2026 - TBD – Chapters TBD
- Regular: April 21, 2026 (9:30 AM) – Chapters TBD
- Regular: July 21, 2026 (9:30 AM)

11. Adjournment

A motion was made by Becker, seconded by Erickson, to adjourn the meeting at 11:48 a.m. The vote was unanimous, with 13 votes in favor of the motion; the motion passed.

Respectfully submitted,

Jonathan Lemke

Jonathan Lemke
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.

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
1	Chapter 1	4714.0100		Basic Plumbing Priciples	**Recommendation - Adopt all principles as stated in 2020 MPC**	1/3/2024		
2	Chapter 1	4714.0101		Conformance with Code	**Recommendation - Accept revised language as follows:** Subp. 2. New buildings. In new buildings~~,~~ and premises in which ~~all materials and~~ plumbing systems, drainage systems, or ~~parts thereof shall be installed to meet the minimum~~ other work regulated by this code are to be installed, all materials and work shall meet the provisions of this code.	1/3/2024		
3	Chapter 2	203.0		Administrative Authority	**Recommendation - Keep as amended in 2020 MPC: Administrative Authority**. Means the commissioner. **Exception:** When a governmental subdivision adopts and maintains a comprehensive plumbing enforcement program that is conducted by personnel who are knowledgeable about plumbing installation requirements, and includes enforcement of all code provisions including materials, methods, inspec- tion, and testing, the administrative authority shall be the governing body of the adopting unit of government or a duly designated representative of the governing body who is either an employee of the governing body or a person working under contract with the governing body.	1/3/2024		
4	Chapter 2	203		Anodless Riser	**Recommendation - remove language in UPC:** ~~Anodeless Riser. An assembly of steel-cased plastic pipe used to make the transition between plastic piping installed underground and metallic piping installed aboveground.~~	1/3/2024		
5	Chapter 2	203		Appliance	**Recommendation - Keep as shown in the 2024 UPC:** Appliance. A device that utilizes fuel or electricity as anenergy source to produce light, heat, power, refrigeration, orair conditioning. This definition also includes vented decorativeappliances and electric storage or tankless water heaters.	1/3/2024		
6	Chapter 2	203		Appliance, Low-Heat.	Delete in MFGC	1/3/2024		
7	Chapter 2	203		Appliance, Medium-Heat	Delete in MFGC	1/3/2024		
8	Chapter 2	203		Appliance Categorized vent diameter/Area	**Recommendation - Keep as shown in the 2024 UPC (definition the same, standard reference number updated):** The minimum vent diameter/area permissible for Category I appliances to maintain a nonpositive vent static pressure when tested in accordance with nationally recognized standards. [NFPA 54:3.3.5]	1/3/2024		
9	Chapter 2	203		Appliance fuel connector	Delete in MFGC	1/3/2024		
10	Chapter 2	203		Approved	**Recommendation - Leave as amended in the 2020 MPC**: **Approved.** Means approval by the administrative authority, pursuant to the Minnesota Plumbing Code, by reason of inspection, investigation, or testing; accepted principles; computer simulations; research reports; or testing performed by a nationally recognized testing laboratory.	1/3/2024		
11	Chapter 2	203		Authority Having Jurisdiction	**Recommendation - Leave as amended in the 2020 MPC: Authority Having Jurisdiction**. Unless otherwise specified in this code, the term Authority Having Jurisdiction has the same meaning as administrative authority.	1/3/2024		
12	Chapter 2	204		Barometric Loop	**Recommendation - Leave as amended in the 2020 MPC: Barometric Loop.** Means a section of pipe in the shape of an inverted "u" located upstream and rising a minimum of 35 feet above the highest fixture it supplies.	1/3/2024		
13	Chapter 2	204		Body Spray	**Recommendation - Keep new definition as shown in the 2024 UPC: Body Spray.** A shower device for spraying water onto a bather from other than the overhead position.	1/3/2024		
14	Chapter 2	204		Bonding Jumper	**Recommendation - Keep as shown in the 2024 UPC (definition the same, standard reference number updated): Bonding Jumper.** A reliable conductor to ensure the required electrical conductivity between metal parts required to be electrically connected. [NFPA 70:100 (Part I)]	6/4/2025		
15	Chapter 2	204	RFA PB0200	Building Supply	**Recommendation - Adopt RFA PB0200 as presented with the following revision** (amended at the 6.4.2025 meeting, Abrahamson agreed). Note: RFA PB0205 - Committee recommended not adopting. **204 Building Supply.** Means the water service pipe carrying potable water from the municipal water supply or source of water supply intended for potable use to a building water meter, pressure tank, building valve, or other point of use or distribution on the lot.	6/4/2025		
16	Chapter 2	205		Category 1-4	**Recommendation to delete Category 1-4, as follows:** ~~Category 1. Activities, systems, or equipment whose failure is likely to cause major injury or death to patients, staff, or visitors. [NFPA 99:3.3.162.1] Category 2. Activities, systems, or equipment whose failure is likely to cause minor injury to patients, staff, or visitors. [NFPA 99:3.3.162.2] Category 3. Activities, systems, or equipment whose failure is not likely to cause injury to patients, staff, or visitors, but can cause discomfort. [NFPA 99:3.3.162.3] Category 3 Vacuum System. A Category 3 vacuum distribution system that can be either a wet system designed to remove liquids, air-gas, or solids from the treated area; or a dry system designed to trap liquid and solids before the service inlet and to accommodate air-gas only through the service inlet. [NFPA 99:3.3.20] Category 4. Activities, systems, or equipment whose failure would have no impact on patient care. [NFPA 99:3.3.162.4]~~	1/3/2024		
17	Chapter 2	205		Certified Backflow Assembly Tester	**Recommendation - Leave as amended in the 2020 MPC: Certified Backflow Assembly Tester.** Has the same meaning as backflow prevention tester defined in Minnesota Statutes, section 326B.42, subdivision 1c.	1/3/2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
18	Chapter 2	205		Chimney/ chimney classifications	**Recommendation - Delete UPC language:** ~~Chimney. One or more passageways, vertical or nearly so, for conveying flue or vent gases to the outdoors. [NFPA 54:3.3.17] Chimney, Factory-Built. A chimney composed of listed factory-built components assembled in accordance with the manufacturer's installation instructions to form the completed chimney. [NFPA 4:3.3.17.2] Chimney, Masonry. A field-constructed chimney of solid masonry units, bricks, stones, listed masonry chimney units, or reinforced Portland cement concrete, lined with suitable chimney flue liners. [NFPA 4:3.3.17.3] Chimney, Metal. A field-constructed chimney of metal. [NFPA 54:3.3.18.4] Chimney Classifications: Chimney, High-Heat Appliance-Type. A factorybuilt, masonry, or metal chimney suitable for removing the products of combustion from fuel-burning high-heat appliances producing combustion gases in excess of 2000°F (1093°C), measured at the appliance flue outlet. Chimney, Low-Heat Appliance-Type. A factorybuilt, masonry, or metal chimney suitable for removing the products of combustion from fuel-burning low-heat appliances producing combustion gases not in excess of 1000°F (538°C) under normal operating conditions, but capable of producing combustion gases of 1400°F (760°C) during intermittent forced firing for periods up to one hour. Temperatures are measured at the appliance flue outlet. Chimney, Medium-Heat Appliance-Type. A factory-built, masonry, or metal chimney suitable for removing the products of combustion from fuel-burning medium-heat appliances producing combustion gases, not in excess of 2000°F (1093°C), measured at the appliance flue outlet. Chimney, Residential Appliance-Type. A factory built or masonry chimney suitable for removing products of combustion from residential-type appliances producing combustion gases, not in excess of 1000°F (538°C), measured at the appliance flue outlet. Factory-built Type HT chimneys have high-temperature thermal shock resistance.~~	1/3/2024		
19	Chapter 2	205		Circuit Vent	**Recommendation - Keep new definition as shown in the 2024 UPC: Circuit Vent.** The vent that connects to a horizontal drainage branch and vents two traps to a maximum of eight traps connected into a battery of fixtures.	1/3/2024		
20	Chapter 2	205		Clear Water Waste	**Recommendation - Leave as amended in the 2020 MPC: Clear Water Waste.** Uncontaminated water discharges, subsoil discharges, and similar discharges.	1/3/2024		
21	Chapter 2	205		Code	**Recommendation - Leave as amended in the 2020 MPC: Code.** For purposes of this chapter, "this code" or "the code" means the Minnesota Plumbing Code, Minnesota Rules, chapter 4714.	1/3/2024		
22	Chapter 2			Commissioner	**Recommendation - Leave as amended in the 2020 MPC: Commissioner.** Means the commissioner of labor and industry or a duly designated representative of the commissioner who is either an employee of the Department of Labor and Industry or a person working under contract with the department.	1/3/2024		
23	Chapter 2	205	RFA PB0164	Commercial Hand washing sink	**Recommendation - Keep definition as shown in RFA 164, as follows: Commercial Hand washing sink.** A sink in a commercial kitchen or food service area which is primarily used for hand washing.	1/3/2024		
24	Chapter 2	205		Commercial Modular System	**Recommendation - Keep new definition as shown in the 2024 UPC: Commercial Modular System.** A drinking water treatment unit system consisting of multiple components attached to a manifold, produced specifically for food service applications, and not intended for use in residential applications.	1/3/2024		
25	Chapter 2	205	RFA PB0205	Connection Tubing or Piping	**Recommendation - Do not accept RFA PB0205**	1/3/2024		
26	Chapter 2	205		Confined Space	**Recommendation - Keep as shown in the 2024 UPC as follows (definition changed): Confined Space.** A space with limited entrance and egress that is not suitable for inhabitants and not intended for continuous human occupancy.	2/5/2025		
27	Chapter 2	205		Critical Care Area	**Recommendation - Delete UPC Med gas terminology language:** ~~Critical Care Area. See Patient Care Space, Category 1.~~	1/3/2024		
28	Chapter 2	206		Dead Leg	**Recommendation - Keep as shown in the 2024 UPC as shown (amended at 2.5.2025 meeting): Dead Leg.** A section of potable water pipe which containswater that has no flow or does not circulate. If the section of pipe is greater than 4 times the diameter of the pipe served with a maximum of 24-inches, it is considered a dead leg and would require a method of flushing.	2/5/2025		
29	Chapter 2			Direct-Vent Appliances.	Delete definition in MNGC	1/3/2024		
30	Chapter 2			Diverter Valve, On-Site Treated Nonpotable Water	**Recommendation - Keep new definition as shown in the 2024 UPC: Diverter Valve, On-Site Treated Nonpotable Water.** A component in the collection system to control inflow and overflow in collection tanks intended for on-site treatment and direct beneficial use.	1/3/2024		
31	Chapter 2			Diverter Valve, Rainwater	**Recommendation - Keep new definition as shown in the 2024 UPC: Diverter Valve, Rainwater.** A component in commercial rainwater catchment systems to control high inflow and overflow volumes in rainwater storage tanks.	1/3/2024		
32	Chapter 2	206		Drainage System	**Recommendation - Leave as amended in the 2020 MPC: Drainage System.** Includes all the piping within public or private premises that conveys sewage, rainwater, or other liquid wastes to a legal point of disposal, but does not include the mains of a public sewer system or a public sewage treatment or disposal plant.	1/3/2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
33	Chapter 2	207		Effective Ground-Fault Current Path.	**Recommendation - Keep as shown in the 2024 UPC (definition the same, standard reference number updated): Effective Ground-Fault Current Path.** An intentionally constructed, low impedance electrically conductive path designed and intended to carry current under ground-fault conditions from the point of a ground fault on a wiring system to the electrical supply source and that facilitates the operation of the overcurrent protective device or ground-fault detectors. [NFPA 70:100]	1/3/2024		
34	Chapter 2	207		Emergency Floor Drains	**Recommendation - Leave as amended in the 2020 MPC with revisions**, as follows: **Emergency Floor Drain.** ~~Means~~ Floor drains that do not serve as a receptor, and are located in restrooms,~~ are~~ under emergency eyewash/shower equipment, or~~ are~~ in laundry rooms.	1/3/2024		
35	Chapter 2	207		Essential Nontoxic Transfer Fluid	**Recommendation - Keep as shown in the 2024 UPC (definition changed): Essentially Nontoxic Transfer Fluid.** A fluid generally recognized as safe by the Food and Drug Administration(FDA) as food grade.	1/3/2024		
36	Chapter 2	207		Excess Flow Valve	**Recommendation - Delete in its entirety:** ~~Excess Flow Valve (EFV). A valve designed to activate when the fuel gas passing through it exceeds a prescribed flow rate. [NFPA 54:3.3.98.3]~~	1/3/2024		
37	Chapter 2	207		Existing Work	**Recommendation - Keep as shown in the 2024 UPC with the following revisions: Existing Work.** A plumbing system 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.	1/3/2024		
38	Chapter 2	207		Expansion Tank.	**Recommendation - Keep as shown in the 2024 UPC as follows (new definition): Expansion Tank.** A vessel used to protect potable water systems from excessive pressure.	1/3/2024		
39	Chapter 2	208		F Rating	**Recommendation - Delete in its entirety, as follows:** ~~F Rating. The time period that the penetration firestop system limits the spread of fire through the penetration, where tested in accordance with ASTM E814 or UL 1479.~~	1/3/2024		
40	Chapter 2	208		Fixture Drain	**Recommendation - Keep as shown in the 2024 UPC with a space between drain and pipe** (not drainpipe), as follows: Fixture Drain. The drain from the trap of a fixture to the junction of that drain with any other drain pipe.	1/3/2024		
41	Chapter 2	208		Fixture Supply	**Recommendation - Keep as shown in the 2024 UPC with the following revision (delete the word "is") as follows:** Fixture Supply. A water supply pipe ~~is~~ connecting the fixture with the fixture branch.	1/3/2024		
42	Chapter 2	208		Flue Collar	**Recommendation - Delete in its entirety, as follows:** ~~Flue Collar. That portion of an appliance designed for the attachment of a draft hood, vent connector, or venting system. [NFPA 54:3.3.44]~~	1/3/2024		
43	Chapter 2	208		Fuel Gas	**Recommendation - Delete in its entirety, as follows:** ~~Fuel Gas. Natural, manufactured liquefied petroleum, or a mixture of these.~~	1/3/2024		
44	Chapter 2	209		Gas piping	**Recommendation - Delete in its entirety, as follows:** ~~Gas Piping. An installation of pipe, valves, or fittings that are used to convey fuel gas, installed on a premise or in a building.~~	1/3/2024		
45	Chapter 2	209		Gas Piping System	**Recommendation - Delete it its entirety, as follows:** ~~Gas Piping System. An arrangement of gas piping or regulators after the point of delivery and each arrangement of gas piping serving a building, structure, or premises, whether individually metered or not.~~	1/3/2024		
46	Chapter 2	209		General Anesthesia	**Recommendation - Delete in its entirety, as follows:** ~~General Anesthesia. A drug-induced loss of consciousness during which patients are not arousable, even by painful stimulation. The ability to independently maintain ventilatory function is often impaired. Patients often require assistance in maintaining a patent airway, and positive pressure ventilation may be required because of depressed spontaneous ventilation or drug induced depression of neuromuscular function. Cardiovascular function may be impaired. [NFPA 99:3.3.68.1]~~	1/3/2024		
47	Chapter 2	209		Grease Removal Device (GRD).	**Recommendation - Keep as shown in the 2024 UPC (definition changed):** Grease Removal Device (GRD). A hydromechanicalgrease interceptor that automatically, mechanically removesnon-petroleum fats, oils and grease (FOG) from the interceptor,the control of which are either automatic or manually initiated.	1/3/2024		
48	Chapter 2	209		Grounding Electrode.	**Recommendation - Keep as shown in the 2024 UPC (definition same, standard reference number was updated):** Grounding Electrode. A conducting object through which a direct connection to earth is established. [NFPA 70:100 (Part I)]	1/3/2024		
49	Chapter 2	209		Ground Water	**Recommendation - Keep as shown in the 2024 UPC (new definition):** Groundwater. Water that exists beneath the earth's surface.	1/3/2024		
50	Chapter 2	209		Group Wash Fixture	**Recommendation - Keep as shown in the 2024 UPC (new definition):** Group Wash Fixture. A lavatory that allows more than one person to utilize the fixture at the same time. The fixture has one or more drains and one or more faucets.	1/3/2024		
51	Chapter 2	209		Health Authority	**Recommendation - Leave as amended in the 2020 MPC as follows:** Health Authority. Means the state health department or local public health agency that has authority established under law to enforce rules governing drinking water supply.	1/3/2024		
52	Chapter 2	210		Health Care Facility's Governing Body	**Recommendation - Delete in its entirety, as follows:** ~~Health Care Facility's Governing Body. The person or persons who have the overall legal responsibility for the operation of a health care facility. [NFPA 99:3.3.74]~~	1/3/2024		

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Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
53	Chapter 2	210		Heat-Fusion Weld Joints	**Recommendation - Leave as shown in the 2020 MPC, but change the definition to "Refer to Joint Heat-Fusion."** Note: This term is used in the 2020 MPC but not in the 2024 UPC, (the 2024 UPC uses the term Joint, Heat-Fusion instead) and should read as follows: Refer to Joint Heat-Fusion. ~~Heat-Fusion Weld Joints. A joint used in some thermoplastic systems to connect the pipe to fittings or pipe lengths directly to one another (butt-fusion). This method of joining pipe to fittings includes socket-fusion, electro-fusion, and saddle-fusion. This method of welding involves the application of heat and pressure to the components, allowing them to fuse together forming a bond between the pipe and fitting.~~	1/3/2024		
54	Chapter 2	210		Hydromechanical Grease Interceptor	**Recommendation - Keep as shown in the 2024 UPC with the following revisions (Striking (4) adding "an" to (2)):** Hydromechanical Grease Interceptor. A plumbing appurtenance or appliance that is installed in a sanitarydrainage system to intercept nonpetroleum fats, oil, andgrease (FOG) from a wastewater discharge and is identifiedby flow rate, and separation and retention efficiency. The design incorporates air entrainment, hydromechanical separation,interior baffling, or barriers in combination or separately,and one of the following: (1) External flow control, with an air intake (vent), directly connected. (2) External flow control, without an air intake (vent), directly connected. (3) Without external flow control, directly connected. (4) ~~Without external flow control, indirectly connected.~~These interceptors comply with the requirements of Table 1014.2.1. Hydromechanical grease interceptors are generally installed inside.	1/3/2024		
55	Chapter 2	212		Joint, Heat-Fusion.	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Joint, Heat-Fusion. A joint used in some thermoplastic systems to connect the pipe to fittings or pipe lengths directly to one another (butt-fusion). This method of joining pipe to fittings includes socket-fusion, electro-fusion, and saddlefusion. This method of welding involves the application of heat and pressure to the components, allowing them to fuse together forming a bond between the pipe and fitting.	1/3/2024		
56	Chapter 2	214		Levels of Sedation	**Recommendation - Delete (2020 MPC) due to this is terminology used in the medical gas code and not the Plumbing Code.**	1/3/2024		
57	Chapter 2	214		Liquefied Petroleum Gas (LP-Gas) Facilities	**Recommendation - Delete it its entirety, as follows:** ~~Liquefied Petroleum Gas (LP-Gas) Facilities. Liquefied petroleum gas (LP-Gas) facilities include tanks, containers, container valves, regulating equipment, meters, appurtenances, or any combination thereof for the storage and supply of liquefied petroleum gas for a building, structure, or premises.~~	1/3/2024		
58	Chapter 2	214		Low-Pressure Water Dispenser	**Recommendation - Keep as shown in the 2024 UPC, as follows:** Low-Pressure Water Dispenser. A terminal fitting located downstream of a pressure reducing valve that dispenses drinking hot water above 71°C (160°F) or cold water or both at a pressure of 105 kPa (15 psi) or less.	1/3/2024		
59	Chapter 2	215		Medical Air	**Recommendation - Delete in its entirety, as follows:** ~~Medical Air. For purposes of this code, medical air is air supplied from cylinders, bulk containers, or medical air compressors or reconstituted from oxygen USP and oil-free, dry nitrogen NF. [NFPA 99:3.3.106]~~	1/3/2024		
60	Chapter 2	215		Medical Gas	**Recommendation - Delete in its entirety, as follows:** ~~Medical Gas. A patient medical gas or medical support gas. (See also Patient Medical Gas and Medical Support Gas) [NFPA 99:3.3.108]~~	1/3/2024		
61	Chapter 2	215		Medical-Surgical Vacuum	**Recommendation - Delete in its entirety, as follows:** ~~Medical-Surgical Vacuum. A method used to provide a source of drainage, aspiration, and suction in order to remove body fluids from patients. [NFPA 99:3.3.112]~~	1/3/2024		
62	Chapter 2	215		Medical-Surgical Vacuum System	**Recommendation - Delete in its entirety, as follows:** ~~Medical-Surgical Vacuum System. An assembly of central-vacuum-producing equipment and a network of piping for patient suction in medical, medical-surgical, and waste-anesthetic gas disposal (WAGD) applications. [NFPA 99:3.3.113]~~	1/3/2024		
63	Chapter 2			Mid-Story Guide.	**Recommendation - Keep as shown in he 2024 UPC, as follows:** Mid-Story Guide. A support designed to keep piping in alignment, located mid-way between floors or a floor and ceiling.	1/3/2024		
64	Chapter 2	215	PB0203	Mortar Joints	**Recommendation: Do not accept PB0203**	1/3/2024		
65	Chapter 2	216		Nitrogen NF	**Recommendation - Delete in its entirety, as follows:** ~~Nitrogen NF. Nitrogen complying as a minimum with nitrogen NF. [NFPA 99:3.3.119.1]~~	1/3/2024		
66	Chapter 2	216		Nonwater Urinal with Drain Cleaning Action	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Nonwater Urinal with Drain Cleansing Action. A nonwater urinal that conveys waste into the drainage system without the use of water for flushing and automatically performs a drain-cleansing action after a predetermined amount of time.	1/3/2024		

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Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
67	Chapter 2	218		Patient Care Space	**Recommendation - Delete in its entirety, as follows:** ~~Patient Care Space. Any space of a health care facility wherein patients are intended to be examined or treated. [NFPA 99:3.3.140]~~ ~~Category 1 Space. Space in which failure of equipment or a system is likely to cause major injury or death of patients, staff, or visitors. [NFPA 99:3.3.140.1]~~ ~~Category 2 Space. Space in which failure of equipment or a system is likely to cause minor injury to patients, staff, or visitors. [NFPA 99:3.3.140.2]~~ ~~Category 3 Space. Space in which the failure of equipment or a system is not likely to cause injury to patients, staff, or visitors but can cause discomfort.~~ ~~[NFPA 99:3.3.140.3]~~ ~~Category 4 Space. Space in which failure of equipment or a system is not likely to have a physical impact on patient care. [NFPA 99:3.3.140.4]~~	1/3/2024		
68	Chapter 2	218		Patient Medical Gas	**Recommendation - Delete in its entirety, as follows:** ~~Patient Medical Gas. Piped gases such as oxygen, nitrous oxide, helium, carbon dioxide, and medical air that are used in the application of human respiration and the calibration of medical devices used for human respiration. [NFPA 99:3.3.144]~~	1/3/2024		
69	Chapter 2	218		Penetration Firestop System	**Recommendation - Delete in its entirety, as follows:** ~~Penetration Firestop System. A specific assemblage of field-assembled materials, or a factory-made device, which has been tested to a standard test method and, where installed properly on penetrating piping materials, is capable of maintaining the fire-resistance rating of assemblies penetrated.~~	1/3/2024		
70	Chapter 2	218	PB0199	Plumbing System	**Recommendation - Accept RFA PB0199 with the following revisions (amended at the June 4th meeting, Abrahamson agreed):** 218 Plumbing System. Includes all potable water and alternate water sources, building supply, and distribution pipes; all plumbing fixtures and traps; all drainage and vent pipes; and all building drains and building sewers, including their respective joints and connections, devices, receptors, and appurtenances within the property lines of the premises and shall include potable water piping, potable water treating or using equipment, and non-potable water piping serving plumbing fixtures.	1/3/2024		
71	Chapter 2	218		Point-of-Entry, Water Treatment Unit.	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Point-of-Entry, Water Treatment Unit. A device serving the water distribution system of a building for the purposes of altering, modifying, adding, or removing minerals, chemicals, contaminants, and suspended solids in the water.	1/3/2024		
72	Chapter 2	218		Point-of-Use, Water Treatment Unit.	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Point-of-Use, Water Treatment Unit. A device serving a single atmospheric outlet such as a faucet for the purposes of altering, modifying, adding, or removing any minerals, chemicals, contaminants, and suspended solids in water.	1/3/2024		
73	Chapter 2	218		Potable Water	**Recommendation - Leave as amended in the 2020 MPC, as follows:** Potable Water. Water that is satisfactory for drinking, culinary, and domestic purposes and that meets the requirements of the Health Authority.	1/3/2024		
74	Chapter 2	218		Pre-fabricated Shower Enclosure	**Recommendation - Keep as shown in the 2024 UPC (new definition), as follows:** Pre-fabricated Shower Enclosure. A factory-assembled watertight structure with enclosing walls, a drain, and door or open access way.	1/3/2024		
75	Chapter 2	218		Private Sewage Disposal System	**Recommendation - Leave as amended in the 2020 MPC, as follows:** Private Sewage Disposal System. A subsurface sewage treatment system designed for use apart from a public sewer as regulated under the rules administered by the Pollution Control Agency.	1/3/2024		
76	Chapter 2	218		Proportioning System for Medical Air USP	**Recommendation - Delete in its entirety, as follows:** ~~Proportioning System for Medical Air USP. A central supply that produces medical air (USP) reconstituted from oxygen USP and nitrogen NF by means of a mixer or blender. [NFPA 99:3.3.106.1]~~	1/3/2024		
77	Chapter 2	218		Public Water System	**Recommendation - Delete in its entirety, as follows:** ~~Public Water System. A system for the provision to the public of water for human consumption through pipes or other constructed conveyances, if such system has at least fifteen service connections or regularly serves an average of twenty-five individuals daily for at least 60 days per year.~~	1/3/2024		
78	Chapter 2	219		Quick Disconnect Device, Fuel Gas	**Recommendation - Delete in its entirety, as follows:** ~~Quick Disconnect Device, Fuel Gas. A hand-operated device that provides a means for connecting and disconnecting an appliance or an appliance connector to a gas supply and that is equipped with an automatic means to shut off the gas supply when the device is disconnected. [NFPA 54:3.3.27.3]~~	2.7.2024		
79	Chapter 2	220		Registered Design Professional	**Recommendation - Leave as amended in 2020 MPC, as follows:** Registered Design Professional. For purposes of this code, "registered design professional," "engineer," or "registered professional engineer" means a person practicing professional engineering as described in Minnesota Statutes, section 326.02, subdivision 3, and who is licensed in the state of Minnesota as a professional engineer by the Board of Architecture, Engineering, Land Surveying, Landscape Architecture, Geoscience, and Interior Design under Minnesota Statutes, section 326.10.	2.7.2024		
80	Chapter 2	221		Scavenging	**Recommendation - Delete in its entirety, as follows:** ~~Scavenging. Evacuation of exhaled mixtures of oxygen and nitrous oxide. [NFPA 99:3.3.163]~~	2.7.2024		

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Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
81	Chapter 2	221		Standard Cubic Feet per Minute (SCFM).	**Recommendation - Delete in its entirety, as follows:** ~~Standard Cubic Feet per Minute (SCFM). Volumetric flow rate of gas in units of standard cubic feet per minute. [NFPA 99:3.3.172]~~	2.7.2024		
82	Chapter 2	221		Service Piping	**Recommendation - Delete in its entirety, as follows:** ~~Service Piping. The piping and equipment between the street gas main and the gas piping system inlet that is installed by, and is under the control and maintenance of, the serving gas supplier.~~	2.7.2024		
83	Chapter 2	221		Single Family Dwelling	**Recommendation - Leave as amended in the 2020 MPC, as follows:** Single-Family Dwelling. Has the meaning of dwelling, single-family, in Minnesota Rules, part 1309.0202, subpart 1.	2.7.2024		
84	Chapter 2	221		Standard Cubic Feet Per minute	**Recommendation - Delete in its entirety, as follows:** ~~Standard Cubic Feet per Minute (SCFM). Volumetric flow rate of gas in units of standard cubic feet per minute. [NFPA 99:3.3.172]~~	2.7.2024		
85	Chapter 2	221		Station Inlet	**Recommendation - Delete language from the 2024 UPC, as follows:** ~~Station Inlet. An inlet point in a piped medical/surgical vacuum distribution system at which the user makes connections and disconnections. [NFPA 99:3.3.173]~~	2.7.2024		
86	Chapter 2	221		Station Outlet	**Recommendation - Delete language from the 2024 UPC, as follows:** ~~Station Outlet. An outlet point in a piped medical gas distribution system at which the user makes connections and disconnections. [NFPA 99:3.3.174]~~	2.7.2024		
87	Chapter 2	222		T Rating	**Recommendation - Keep as shown in the 2024 UPC, as follows:** T Rating. The time period that the penetration firestop system, including the penetrating item, limits the maximum temperature rise of 325°F (181°C) above its initial temperature through the penetration on the nonfire side, where tested in accordance with ASTM E814 or UL 1479.	2.7.2024		
88	Chapter 2	222		Transistion Gas Riser	**Recommendation - Delete in its entirety, as follows:** ~~Transition Gas Riser. A listed or approved section or sections of pipe and fittings used to convey fuel gas and installed in a gas piping system to provide a transition from belowground to aboveground.~~	2.7.2024		
89	Chapter 2	223		User Outlet	**Recommendation - Delete in its entirety, as follows:** ~~User Outlet. See Station Outlet.~~	2.7.2024		
90	Chapter 2	224		Vacuum System-Level 1	**Recommendation - Delete in its entirety, as follows:** ~~Vacuum System-Level 1. A system consisting of central vacuum-producing equipment with pressure and operating controls, shutoff valves, alarm warning systems, gauges, and a network of piping extending to and terminating with suitable station inlets at locations where patient suction could be required.~~	2.7.2024		
91	Chapter 2	224		Valve, balancing	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Valve, Balancing. A valve that regulates and controls the return of water to the water heater in a recirculating hot water piping system.	2.7.2024		
92	Chapter 2	224		Valve, Service	**Recommendation - Delete in its entirety, as follows:** Valve, Service. A valve is serving horizontal piping extending from a riser to a station outlet or inlet.	2.7.2024		
93	Chapter 2	224		Valve, Source	**Recommendation - Delete in its entirety, as follows:** ~~Valve, Source. A single valve at the source that controls a number of units that makes up the source.~~	2.7.2024		
94	Chapter 2	224		Valve, Zone	**Recommendation - Delete in its entirety, as follows:** ~~Valve, Zone. A valve that controls the gas or vacuum to a particular area.~~	2.7.2024		
95	Chapter 2	224		Vent Connector, Gas	**Recommendation - Delete in its entirety, as follows:** ~~Vent Connector, Gas. That portion of a gas venting system that connects a listed gas appliance beginning at the draft hood or flue collar to a gas vent and is installed entirely within the space or area in which the appliance is located.~~	2.7.2024		
96	Chapter 2	224		Vented Appliance	**Recommendation - Delete and remove all categories: I, II, III, IV, from 2024 UPC, as follows:** ~~Vented Appliance.~~ ~~Category I Vented Appliance. An appliance that operates with a nonpositive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the vent. [NFPA 54:3.3.4.10.1]~~ ~~Category II Vented Appliance. An appliance that operates with a nonpositive vent static pressure and with a vent gas temperature that can cause excessive condensate production in the vent. [NFPA 54:3.3.4.10.2]~~ ~~Category III Vented Appliance. An appliance that operates with a positive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the vent. [NFPA 54:3.3.4.10.3]~~ ~~Category IV Vented Appliance. An appliance that operates with a positive vent static pressure and with a vent gas temperature that can cause excessive condensate production in the vent. [NFPA 54:3.3.4.10.4]~~	2.7.2024		
97	Chapter 2	224		Venting System and Sub Items	**Recommendation - Delete Venting System and sub-items in their entirety, as follows:** ~~Venting System. A continuous open passageway from the flue collar or draft hood of an appliance to the outdoors for the purpose of removing flue or vent gases. [NFPA 54:3.3.95.7]~~ ~~Vent, Gas. A listed factory-made vent pipe and vent fittings for conveying flue gases to the outdoors.~~ ~~Type B Gas Vent. A factory-made gas vent listed by a nationally recognized testing agency for venting listed or approved appliances equipped to burn only gas.~~ ~~Type BW Gas Vent. A factory-made gas vent listed by a nationally recognized testing agency for venting listed or approved gas-fired vented wall furnaces.~~ ~~Type L Gas Vent. A venting system consisting of listed vent piping and fittings for use with oil-burning appliances listed for use with Type L or with listed gas appliances.~~	2.7.2024		

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98	Chapter 2	225		Water conditioning or Treating Device	**Recommendation - Keep as shown in the 2024 UPC with the following revision:** Water-Conditioning or Treating Device. See Water Conditioning Equipment or Water Treating Equipment. ~~A device that conditions or treats a water supply to change its chemical content or remove suspended solids by filtration.~~	2.7.2024		
99	Chapter 2	225		Water Conditioning Equipment or Water Treating Equipment	**Recommendation - Leave as amended in 2020 MPC, as follows:** Water Conditioning Equipment or Water Treating Equipment. Means any appliance, appurtenance, or fixture, or any combination thereof, designed to treat potable water, so as to alter, modify, add, or remove any minerals, chemicals, or bacteria contained in the water. Water conditioning equipment and water treating equipment includes but is not limited to ion exchange water softeners, backwashing water filters, oxidizing water filters, cartridge filters, chemical feed cartridges, ultraviolet lights, and equipment for reverse osmosis, ultrafiltration, nanofiltration, pH adjustment, nitrate and arsenic removal, and adsorption onto activated carbon.	2.7.2024		
100	Chapter 2	225		Water heater, Dual Purpose	**Recommendation - Keep as shown in the 2024 UPC (new definition) as follows:** Water Heater, Dual Purpose. An appliance intended to be a heat source for both space heating and domestic hot water applications.	2.7.2024		
101	Chapter 2	225	PB0200	Water Service Pipe	**Recommendation - Accept RFA PB0200 as presented:** 225 Water service pipe. "Water service pipe" means the pipe from the water main or other source of water supply to the water distribution system of the building served.	6.4.2025		
102	Chapter 2	225		Water Station	**Recommendation - Keep as amended in the 2024 UPC (new definition) as follows:** Water Station. A designated location intended to provide access to drinking water through a device or appliance.	2.7.2024		
103	Chapter 2	225		**Wet Procedure Locations**	**Recommendation - Delete in its entirety, as follows:** ~~Wet Procedure Locations. The area in a patient care space where a procedure is performed that is normally subject to wet conditions while patients are present, including standing fluids on the floor or drenching of the work area, either of which condition is intimate to the patient or staff. [NFPA 99:3.3.187]~~	10.3.2024		
104	Chapter 3	301.2.5		Existing Buildings	**Recommendation - Delete in its entirety, as follows:** ~~301.2.5 Existing Buildings. In existing buildings or premises in which plumbing installations are to be altered, repaired, or renovated, the Authority Having Jurisdiction has discretionary powers to permit deviation from the provisions of this code, provided that such proposal to deviate is first submitted for proper determination in order that health and safety requirements, as they pertain to plumbing, shall be observed.~~	2.7.2024		
105	Chapter 3	301.3		Alternate Materials and Methods of Construction Equivalency.	**Recommendation - Leave as amended in 2020 MPC, as follows:** 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. 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 the 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.	2.7.2024		
106	Chapter 3	301.5.6		Inspections and Testing.	**Recommendation - Leave as amended in 2020 MPC, as follows:** 301.5.6 Inspection and Testing. The alternative engineered design shall be tested and inspected in accordance with the submitted testing and inspection plan and the requirements of this code. Prior to the final plumbing inspection, the registered professional engineer shall provide written certification to the administrative authority that the system has been visually inspected by the registered professional engineer or the registered professional engineer's designee, and the installation has been properly implemented according to the certified plans, calculations, and specifications.	2.7.2024		
107	Chapter 3	301.6		Tall Wood (Mass Timber) Buildings.	**Recommenation - Keep as shown in the 2024 UPC (new), as follows:** 301.6 Tall Wood (Mass Timber) Buildings. Plumbing systems installed in tall wood (mass timber) buildings, shall comply with the following: (1) Be designed by a licensed plumbing contractor or a registered design professional in accordance with this code and the building code. (2) Be designed to accommodate expansion, contraction, and differential movement between parts of a tall wood (mass timber) building in accordance with Section 312.2.	2.7.2024		
108	Chapter 3	307.1		System	**Recommendation - Leave as amended in 2020 MPC, as follows:** 307.1 System. Except as otherwise provided in this code, no plumbing system, drainage system, building sewer, or part thereof shall be located in a lot other than the lot that is the site of the building, structure, or premises served by such facilities.	2.7.2024		
109	Chapter 3	309.6		Dead Legs	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 309.6 Dead Legs. A section of potable water pipe which contains water that has no flow or does not circulate. If the section of pipe is greater than 4 times the diameter of the pipe served with a maximum of 24-inches, it is considered a dead leg and would require a method of flushing.	2.7.2024		

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110	Chapter 3	309.xx	PB0161	**Need brief title**	**Recommendation - Accept RFA PB0161 (brief title and new number required)**. All plumbing piping including waste, vent, and rain leader/roof drain piping located within the building to be demolished, disconnected, or discontinued shall be removed back to the main or stack. The connection point shall be capped or plugged, meet the requirements for air and water tightness, and be of an approved material. Water piping dead legs shall be removed and capped at the main within 4 times the diameter but in no case longer than 24". Exception: Underground sanitary and storm piping shall be removed back to the horizontal branch and capped below floor. Water piping installed for future use and valved at the main.	2/5/2025		
111	Chapter 3	310.5	PB0167	Obstruction of Flow	**Recommendation - Keep as shown in the 2024 UPC with the following revision in RFA0167, as follows** (added at the end of the section current language): A storm drainage system, which is designed to discharge in compliance with the design parameters of MN Rules chapter 7090 or the design parameters that govern pursuant to MN Statute 103D, shall not be considered an obstruction. as long as the 100 year High Water Level(HWL) of the design is below the invert of the storm water piping entering the building.	1.2.2025		
112	Chapter 3	310.9		Female Plastic Connections	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 310.9 Female Plastic Connections. Female plastic tapered (NPT) threaded connections shall not be allowed to be used when threaded onto a male metallic connection. Exception: Female plastic parallel (straight) threaded connections shall be permitted.	2.7.2024		
113	Chapter 3	310.10		ABS and PVC Transition Joints.	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 310.10 ABS and PVC Transition Joints. Except as provided in Section 705.9.4, PVC and ABS pipe and fittings shall not be solvent welded to dissimilar material.	2.7.2024		
114	Chapter 3	311.1	PB0165	General	**Recommendation - Accept RFA PB0165 as revised at the meeting:** Every building shall have its own independent water and sewer connection 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 to serve another townhouse, as defined in the Minnesota Residential Code as a single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from the foundation to the roof and having open space on at least two sides of each unit. Each single-family dwelling unit shall be considered to be a separate building. Separate building service utilities shall be provided to each single-family dwelling unit when required by other chapters of the State Building Code.	12.4.2024		
115	Chapter 3	312.7		Fire-Resistant Construction.	**Recommendation - Leave as amended in 2020 MPC, as follows:** 312.7 Fire-Resistant Construction. Piping penetrations of fire-resistance-rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies, or shaft enclosures shall be protected in accordance with the State Building Code.	2.7.2024		
116	Chapter 3	312.9		Steel Nail Plates	**Recommendation - Keep as shown in the 2024 UPC with the following revisions:** 312.9 Steel Nail Plates. Plastic piping or tubing, and copper or copper alloy piping or tubing penetrating framing members to within 1 inch (25.4 mm) of the exposed framing shall be protected by steel nail plates not less than No. 18gauge (0.0478 inches) (1.2 mm) in thickness. The steel nail plate shall extend along the framing member not less than 11⁄2inches (38 mm) beyond the outside diameter of the pipe or tubing. ~~Fuel gas piping shall be protected in accordance with Section 1210.4.3.~~	2.7.2024		
117	Chapter 3	Table 313.3			**Recommendation - Leave as amended in the 2020 MPC, with the addition of footnote 6, as follows:** 6 For expansion joints, see Table 313.3.1.	2.7.2024		
118	Chapter 3	Table 313.3.1			**Recommendation - Leave as amended in the 2020 MPC**	2.7.2024		
119	Chapter 3	313.7		Gas Piping.	**Recommendation - Delete in its entirety, as follows:** ~~313.7 Gas Piping. Gas piping shall be supported by metal straps or hooks at intervals not to exceed those shown in Table 1210.3.5.1.~~	2.7.2024		
120	Chapter 3	315.1		Unions	**Recommendation - Keep as shown in the 2024 UPC, with the following revision:** 315.1 Unions. Approved unions shall be permitted to be used in drainage piping where accessibly located in the trap seal or between a fixture and its trap; in the vent system, except underground or in wet vents; at any point in the water supply system; ~~and in gas piping as permitted by Section 1212.6~~.	2.7.2024		
121	Chapter 3	317.1		General	**Recommendation - Leave as amended in 2020 MPC, as follows:** 317.1 General. Soil or drain pipes installed over areas where food or drink will be stored, prepared, or displayed shall be installed with the minimum number of joints necessary and connected to the nearest adequately sized vertical stack with the following provisions: (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) 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.	2.7.2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
122	Chapter 3	319.0		Medical and Vacuum systems	**Recommendation - Delete in its entirety, as follows:** ~~319.0 Medical Gas and Vacuum Systems.~~	2.7.2024		
123	Chapter 3	319.1		General	**Recommendation - Delete in its entirety, as follows: 319.1** ~~General. Such piping shall be in accordance with the requirements of Chapter 13. The Authority Having Jurisdiction shall require evidence of the competency of the installers and verifiers.~~	2.7.2024		
124	Chapter 4	402.6		Flanged Fixture Connections.	**Recommendation - Keep as shown in the 2024 UPC with the following revision:** 402.6 Flanged Fixture Connections. Fixture connections between drainage pipes and water closets, floor outlet service sinks and urinals shall be made using an approved copper alloy, hard lead, ABS, PVC, or iron flanges caulked, soldered, solvent cemented; rubber compression gaskets; or screwed to the drainage pipe. The connection shall be bolted with an approved gasket, washer, or setting compound between the fixture and the connection. The bottom of the flange shall be set on ~~the top of the finished floor~~ an approved firm base. Wall-mounted water closet fixtures shall be securely bolted to an approved carrier fitting. The approved carrier fitting shall be securely attached to the structure. The connecting pipe between the carrier fitting and the fixture shall be an approved material and designed to accommodate an adequately sized gasket. Gasket material shall be neoprene, felt, or similar approved types.	2.7.2024		
125	Chapter 4	403.2		Fixtures and Fixture Fittings for Persons with Disabilities.	**Recommendation - Keep as shown in the 2024 UPC with the following revision:** 403.2 Fixtures and Fixture Fittings for Persons with Disabilities. Plumbing fixtures and fixture fittings for persons with disabilities shall be in accordance with ~~ICC A117~~ Minnesota Accessibility code and the applicable standards referenced in Chapter 4.	2.7.2024		
126	Chapter 4	404.2.1		Sinks, Lavatories, and Bathtubs.	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 404.2.1 Sinks, Lavatories, and Bathtubs. The waste shall be so arranged that the standing water in the fixture shall not rise in the overflow where the stopper is closed or remain in the overflow where the fixture is empty. The overflow pipe from a fixture shall be connected to the house or inlet side of the fixture trap.	2.7.2024		
127	Chapter 4	404.2.2		Water Closet and Urinals	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 404.2.2 Water Closets and Urinals. Overflows on flush tanks shall be permitted to discharge into the water closets or urinals served by them.	2.7.2024		
128	Chapter 4	405.3		Miscellaneous Fixtures.	**Recommendation - Leave as amended in the 2020 MPC, as follows:** 405.3 Miscellaneous Fixtures. Deleted in its entirety.	2.7.2024		
129	Chapter 4	407.3	PB0164	407.3 Limitation of Hot Water Temperature for Public Lavatories and Hand Wash Sinks	**Recommendation - Keep as shown in the 2024 UPC with the amendment shown in RFA PB164, as follows:** 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 120°F (49°C).The maximum temperature shall be regulated by one of the following means:(1) A limiting device conforming to either ASSE1070/ASME A112.1070/CSA B125.70, or(2) A water heater conforming to ASSE 1084.	3.6.2024		
130	Chapter 4	407.4		407.4 Transient Public Lavatories.	**Recommendation - Leave as amended in the 2020 MPC, as follows:** 407.4 Transient Public Lavatories. Deleted in its entirety.	3.6.2024		
131	Chapter 4	407.5		Waste Outlet	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 407.5 Waste Outlet. Lavatories shall have a waste outlet and fixture tailpiece not less than 11⁄4 inches (32 mm) in diameter. Continuous wastes and fixture tailpieces shall be constructed from the materials specified in Section 701.4. Waste outlets shall be provided with an approved stopper or strainer.	3.6.2024		
132	Chapter 4	408.2		Tile able Shower Receptors	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 408.2 Tileable Shower Receptors. Tileable shower receptors and shower kits shall comply with IAPMO PS 106.	3.6.2024		
133	Chapter 4	408.4.1		Gang Showers	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 408.4.1 Gang Showers. Where gang showers are supplied with a single temperature-controlled water supply pipe, it shall be controlled by a mixing valve that complies with ASSE 1069.	3.6.2024		
134	Chapter 4	408.4.2/ 4714.408.3		Temperature Limiting.	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 408.4.2 Temperature Limiting. The maximum water temperature discharging from an individual showerhead shall be limited to 120°F (49°C) by one of the following methods: (1) A shower or tub/shower combination valve conforming to ASSE 1016/ASME A112.1016/CSA B125.16 where either: (a) The valve is field-adjusted to the required maximum temperature, or (b) The handle position, stop, or temperature limiting control is set in accordance with the manufacturer's instructions to the required maximum temperature. (2) For gang showers supplied by a single water supply pipe, a mixing valve that conforms to ASSE 1069 that is field-adjusted to the required maximum temperature.	3.6.2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
135	Chapter 4	408.4.3		Temperature - Actuated, Flow-Reduction Devices for Individual Fixture Fittings	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 408.4.3 Temperature-Actuated, Flow-Reduction Devices for Individual Fixture Fittings. Temperature-actuated, flow-reduction devices, where installed for individual fixture fittings, shall comply with ASSE 1062. Such devices shall not be used alone as a substitute for the balanced pressure, thermostatic or combination shower valves requirements or as a substitute for bathtub or whirlpool tub water temperature-limiting valves requirements.	3.6.2024		
136	Chapter 4	**408.7**		Shower Compartments	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.7 Shower Compartments. Shower compartments shall have a finished interior in accordance with the following: (1) Not less than 1024 square inches (0.6606 m2). (2) Be capable of encompassing a 30 inch (762 mm) circle. The minimum required area and dimensions shall be measured at a height equal to the top of the threshold and a point tangent to its centerline. The area and dimensions shall be maintained to a point of not less than 70 inches (1778 mm) above the shower drain outlet with no protrusions other than the fixture valve or valves, showerheads, soap dishes, shelves, and safety grab bars, or rails. Fold-down seats in accessible shower stalls shall be permitted to protrude into the 30 inch (762 mm) circle. Exceptions: (1) Showers that are designed to be in accordance with ICC A117.1. (2) The minimum required area and dimension shall not apply for a shower receptor having overall dimensions of not less than 30 inches (762 mm) in width and 60 inches (1524 mm) in length.	3.6.2024		
137	Chapter 4	**408.7**		Lining for Showers and Receptors	**Recommendation - Leave as amended in 2020 MPC, with renumbering, as follows:** **408.7** Lining for Showers and Receptors.	3.6.2024		
138	Chapter 4	408.8.1		PVC Sheets	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.8.1 PVC Sheets. Plasticized polyvinyl chloride (PVC) sheets shall conform to ASTM D4551. Sheets shall be joined by solvent cementing in accordance with the manufacturer's installation instructions.	3.6.2024		
139	Chapter 4	408.8.2		Chlorinated Polyethylene (CPE) Sheets	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.8.2 Chlorinated Polyethylene (CPE) Sheets. Nonplasticized chlorinated polyethylene sheets shall conform to ASTM D4068. The liner shall be joined in accordance with the manufacturer's installation instructions.	3.6.2024		
140	Chapter 4	408.8.3		Sheet Lead	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.8.3 Sheet Lead. Sheet lead shall weigh not less than 4 lb/ft2 (19.5 kg/m2) and shall be coated with an asphalt paint or other approved coating. The lead sheet shall be insulated from conducting substances, other than the connecting drain, by 15 pound (6.8 kg) asphalt felt or an equivalent. Sheet lead shall be joined by burning.	3.6.2024		
141	Chapter 4	408.8.4		Sheet Copper	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.8.4 Sheet Copper. Sheet copper shall comply with ASTM B152 and shall weigh not less than 12 ounces per square foot (oz/ft2) (3.7 kg/m2) or No. 24 B & S Gauge (0.02 inches) (0.51 mm). The copper sheet shall be insulated from conducting substances, other than the connecting drain, by 15 pound (6.8 kg) asphalt felt or an equivalent. Sheet copper shall be joined by brazing or soldering.	3.6.2024		
142	Chapter 4	408.8.5	PB0189	Tests for Shower Receptors	**Recommendation - Adopt RFA PB0189 as revised at the meeting with Jensen's approval:** 408.8.5 Tests for Shower Receptors. Shower receptors shall be tested for watertightness by filling with water to a depth of not less than 2 inches (51 mm) for ~~not less than 15 minutes~~ a period of time sufficient to establish water tightness (24 hours) with no loss of water. Where no threshold is present, a 2 inch (51 mm) barrier shall be temporarily constructed for testing. The test plug shall be so placed that both upper and under sides of the subpan shall be subjected to the test at the point where it is clamped to the drain. [The word minimum was stricken at the meeting on 2/5/2025 and Jensen agreed. Revised from (24 hours minimum) to (24 hours)]	2.5.2025		
143	Chapter 4	408.9		Public Shower Floors	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.9 Public Shower Floors. Floors of public shower rooms shall have a nonskid surface and shall be drained in such a manner that wastewater from one bather shall not pass over areas occupied by other bathers. Gutters in public or gang shower rooms shall have rounded corners for easy cleaning and shall be sloped not less than 2 percent toward drains. Drains in gutters shall be spaced at a maximum of 8 feet (2438 mm) from sidewalls nor more than 16 feet (4877 mm) apart.	3.6.2024		
144	Chapter 4	408.10		Location of Valves and Heads	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 408.10 Location of Valves and Heads. Control valves and showerheads shall be located on the sidewall of shower compartments or otherwise arranged so that the showerhead does not discharge directly at the entrance to the compartment so that the bather can adjust the valves before stepping into the shower spray.	3.6.2024		
145	Chapter 4	409.1		Application	**Recommendation - Leave as amended in 2020 MPC, as follows:** 409.1 Application. Bathtubs shall comply with ASME A112.19.1/CSA B45.2, ASME A112.19.2/CSA B45.1, ASME A112.19.3/CSA B45.4, CSA B45.5/IAPMO Z124, or CSA B45.12/IAPMO Z402. Whirlpool bathtubs shall comply with ASME A112.19.7/CSA B45.10. Pressure sealed doors within bathtubs or whirlpool bathtub enclosures shall comply with ASME A112.19.15. Whirlpool pedicure tubs shall comply with general requirements and water retention sections of ASME A112.19.7/CSA B45.10, Hydromassage Bathtub Systems.	3.6.2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
146	Chapter 4	409.4	PB0186	Limitation of Hot Water Temperature in Bath-tubs and Whirlpool Tubs	**Recommendation - Keep as shown in the 2024 UPC with amended language from RFA PB0186, as follows:** 409.4 Limitation of Hot Water Temperature in Bathtubs and Whirlpool Bathtubs. The maximum hot water temperature discharging from the bathtub and whirlpool bathtub filler shall be limited to 120°F (49°C). The maximum temperature shall be regulated by one of the following means: (1) A limiting device conforming to either ASSE1070/ASME A112.1070/CSA B125.70 or CSA B125.3. (An ASSE 1016 thermostatic and pressure balancing device conforms to the temperaturelimiting requirements of an ASSE 1070 device); (2) A water heater conforming to ASSE 1084.	3.6.2024		
147	Chapter 4	409.6.1		Suction Fittings	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 409.6.1 Suction Fittings. Suction fittings on whirlpool bathtubs shall comply with ASME A112.19.7/CSA B45.10.	3.6.2024		
148	Chapter 4	411.4	PB0192	Personal Hygiene Devices	**Recommendation - Keep as shown in the 2024 UPC. RFA PB0192 was recinded.** 411.4 Personal Hygiene Devices. Water closets with integral personal hygiene devices shall comply with ASME A112.4.2/CSA B45.16.	3.6.2024		
149	Chapter 4	412.1.1		Nonwater Urinals	**Recommendation - Keep as shown in the 2024 UPC with the following stricken language:** 412.1.1 Nonwater Urinals. Nonwater urinals shall have a liquid barrier sealant to maintain a trap seal. Nonwater urinals shall permit the uninhibited flow of waste through the urinal to the sanitary drainage system. Non-water 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 each individual urinal location to allow for the installation of an approved backflow prevention device in the event of a retrofit.~~	3.6.2024		
150	Chapter 4	412.1.2		Nonwater Urinals with Drain Cleansing Action	**Recommendation - Keep as shown in the 2024 UPC (new), as follows: 412.1.2** Nonwater Urinals with Drain Cleansing Action. Nonwater urinals with drain cleansing action shall comply with ASME A112.19.19 and shall be cleaned, maintained and installed in accordance with the manufacturer's installation instructions.	3.6.2024		
151	Chapter 4	414.1		Application	**Recommendation - Keep as shown in the 2024 UPC (updated Standards), as follows:** 414.1 Application. Domestic dishwashing machines shall comply with UL 749. Domestic dishwashing machines containing sanitation features shall comply with NSF/ANSI 184 and UL 749. Commercial dishwashing machines shall comply with NSF/ANSI 3 and UL 921.	3.6.2024		
152	Chapter 4	414.2		Backflow Protection	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 414.2 Backflow Protection. The water supply connection to a commercial dishwashing machine shall be protected by an air gap or a backflow prevention device in accordance with Section 603.3.2, Section 603.3.5, Section 603.3.6, or that complies with ASSE 1004.	7.2.2025		
153	Chapter 4	414.3		Drainage Connection	**Recommendation - Leave as amended in 2020 MPC, as follows:** 414.3 Drainage Connection. Domestic dishwashing machines shall discharge indirectly in accordance with Section 807.3 into a waste receptor, a wye branch fitting on the tailpiece of a kitchen sink, or dishwasher connection of a food waste disposer. Commercial dishwashing machines shall discharge indirectly through an air break or direct connection. The indirect discharge for commercial dishwashing machines shall be in accordance with Section 807.1, and the direct discharge shall be in accordance with Section 704.3.	3.6.2024		
154	Chapter 4	414.4		Lead Content	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 414.4 Lead Content. Dishwashing machines shall comply with the lead content requirements of Section 604.2.	3.6.2024		
155	Chapter 4	415.1		Application	**Recommendation - Keep as shown in the 2024 UPC (updated Standards), as follows:** 415.1 Application. Drinking fountains shall be self-closing and comply with ASME A112.19.1/CSA B45.2, ASME A112.19.2/CSA B45.1, or ASME A112.19.3/CSA B45.4. Drinking fountains and bottle filling stations shall also comply with NSF/ANSI/CAN 61. Permanently installed electric water coolers and bottle filling stations shall also comply with UL 399.	3.6.2024		
156	Chapter 4	415.2		Public Use Fountains	**Recommendation** - Leave as amended in 2020 MPC, as follows: 415.2 Public Use Fountains. Installation of a combined cold water faucet and drinking fountain is prohibited for public use. If a drinking fountain is provided at a public use sink, it shall have at least an 18-inch separation from any other faucet spout.	3.6.2024		
157	Chapter 4	417.7		Head Shampoo Sink Faucets	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 417.7 Head Shampoo Sink Faucets. Head shampoo sink faucets shall be supplied with hot water that is limited to not more than 120°F (49°C). Each faucet shall have integral check valves to prevent crossover flow between the hot and cold water supply connections. The means for regulating the maximum temperature shall be in accordance with one of the following: (1) A limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70. (2) A water heater conforming to ASSE 1084. (3) A temperature-actuated, flow-reduction device conforming to ASSE 1062.	3.6.2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
158	Chapter 4	417.8		Footbaths and Pedicure Baths.	**Recommendation - Keep as shown in the 2024 UPC (new), as follows:** 417.8 Footbaths and Pedicure Baths. The water supplied to specialty plumbing fixtures, such as pedicure chairs having an integral foot bathtub and footbaths, shall be limited to not more than 120ºF (49ºC) by a water-temperaturelimiting device that conforms to ASSE 1070/ASME A112.1070/CSA B125.70 or by a water heater complying with ASSE 1084**.**	3.6.2024		
159	Chapter 4	418.3		Location of Floor Drains	**Recommendation - Keep as shown in the 2024 UPC, as follows:** 418.3 Location of Floor Drains. Floor drains shall be installed in the following areas: (1) Toilet rooms containing two or more water closets or a combination of one water closet and one urinal, except in a dwelling unit. (2) Commercial kitchens and in accordance with Section 704.3. (3) Laundry rooms in commercial buildings and common laundry facilities in multi-family dwelling buildings. (4) Boiler rooms.	7.2.2025		
160	Chapter 4	418.6	PB0187	Elevator Pit Drain.	**Recommendation - Accept RFA PB0187 as revised at the meeting with Jensen's approval:** The elevator drain and pump requirements shall be per Minnesota Building Code and Minnesota Rules Chapter 1307.	2.5.2025		
161	Chapter 4	418.7		Garage and Parking Area Floor Drains.	**Recommendation - Leave as amended in 2020 MPC, as follows:** 418.7 Garage and Parking Area Floor Drains. Floor area drains in open parking areas, including open areas of parking ramps, shall discharge to the storm sewer or to a place of disposal satisfactory to the sewer authority. Floor drains in parking areas that are enclosed, and floor drains in areas open or enclosed that are used for maintenance or as vehicle wash bays, shall discharge to the sanitary sewer if a municipal sewer is available. An oil and flammable liquid interceptor shall comply with section 1017 and shall be provided if required by sections 1009.1, 1011.1, and 1017.1. Exception: Floor drains in private garages serving one- and two-family dwellings may discharge to daylight if approved by the administrative authority.	3.6.2024		
162	Chapter 4	420.1		Application	**Recommendation - Keep as shown in the 2024 UPC (updated Standards), as follows:** 420.1 Application. Sinks shall comply with ASME A112.19.1/CSA B45.2, ASME A112.19.2/CSA B45.1, ASME A112.19.3/CSA B45.4, CSA B45.5/IAPMO Z124, CSA B45.8/IAPMO Z403, or CSA B45.12/IAPMO Z402. Moveable sink systems shall comply with ASME A112.19.12. Sink assemblies with automatic soap dispensers, faucets, or hand dryers shall comply with IAPMO IGC 127.	3.6.2024		
163	Chapter 4	420.4		Waste Outlet	**Recommendation - Leave as amended in 2020 MPC, as follows:** 420.4 Waste Outlet. Kitchen and laundry sinks shall have a waste outlet and fixture tailpiece not less than 11⁄2 inches (40 mm) in diameter, except commercial pot and scullery sinks shall be provided with waste outlets not less than 2 inches (50 mm) in diameter. Service sinks shall have a waste outlet and fixture tailpiece not less than 2 inches (50 mm) in diameter. Fixture tailpieces shall be constructed from the materials specified in Section 701.2 for drainage piping, provided, however, that the connections where exposed or accessible shall be permitted to be of seamless drawn brass not less than No. 20 B & S Gauge (0.032 inches) (0.81 mm). Waste outlets shall be provided with an approved strainer. [Note: Fixtures and Fittings for Persons with Disabilities. See Section 403.2.]	3.6.2024		
164	Chapter 4	422.1		Minimum Number of Fixtures.	**Recommendation - Leave as amended in 2020 MPC, as follows:** 422.1 Required Minimum Number of Fixtures. For all premises subject to Minnesota Rules, chapter 4714, plumbing fixtures shall be provided for the type of building occupancy and in the minimum number listed in Minnesota Rules, chapter 1305, Minnesota Building Code.	3.6.2024		
165	Chapter 4	422.1.1		Fixture Calculations	**Recommendation - Delete in its entirety, as follows:** ~~422.1.1 Fixture Calculations. The minimum number of fixtures shall be calculated at 50 percent male and 50 percent female based on the total occupant load. Where information submitted indicates a difference in the distribution of the sexes such information shall be used to determine the number of fixtures for each sex. Once the occupancy load and occupancy are determined, Table 422.1 shall be applied to determine the minimum number of plumbing fixtures required. Where applying the fixture ratios in Table 422.1 results in fractional numbers, such numbers shall be rounded to the next whole number. For multiple occupancies, fractional numbers shall be first summed and then rounded to the next whole number. For toilet facilities designed for use by all genders, the minimum number of fixtures shall be the aggregate calculated at 50 percent female and 50 percent male in accordance with Table 422.1. Where all-gender fixtures are provided in addition to separate men's and women's facilities, those fixtures shall be included in determining the number of fixtures provided in an occupancy.~~	3.6.2024		
166	Chapter 4	422.1.2		Single Use, Family or Assisted-Use Toilet and Bathing Facilities.	**Recommendation - Delete in its entirety, as follows:** ~~422.1.2 Single Use, Family or Assisted-Use Toilet, and Bathing Facilities. Where single use, family or assisted-use toilet, and bathing rooms are required, in applicable building regulations, the facilities shall be installed in accordance with those regulations. Fixtures located in single use, family or assisted-use, and bathing room facilities shall contribute to the total number of required fixtures in accordance with Section 422.1.~~	3.6.2024		

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Ad Hoc Code Review and Rulemaking Committee 2024 UPC Recommendations to the Board

Line #	Chapter	Rules affected	RFA No.	Brief Title	Proposal and Committee recommendation	Date of Committee review	Plumbing Board action/comments	(A)ccept (R)eject (M)odify
167	Chapter 4	422.2		Separate Facilities.	**Recommendation - Delete in its entirety, as follows:** ~~422.2 Separate Facilities. Separate toilet facilities shall be provided for each sex.~~ ~~Exceptions:~~ ~~(1) Residential installations.~~ ~~(2) In occupancies with a total occupant load of 10 or less, including customers and employees, one toilet facility, designed for use by no more than one person at a time, shall be permitted for use by both sexes.~~ ~~(3) In business and mercantile occupancies with a total occupant load of 50 or less including customers and employees, one toilet facility, designed for use by no more than one person at a time, shall be permitted for use by both sexes.~~ ~~(4) Separate facilities shall not be required where rooms have fixtures designed for use by both sexes and the water closets are installed in privacy compartments. Urinals shall be located in a privacy compartment.~~	3.6.2024		
168	Chapter 4	422.2.1		Single Use Facilities	**Recommendation - Delete in its entirety, as follows:** ~~422.2.1 Single-Use Facilities. Single-use toilet facilities, bathing facilities, and family or assisted-use toilet facilities shall be identified with signage indicating use by either sex.~~	3.6.2024		
169	Chapter 4	422.2.2		Family or Assisted-Use Toilet Facilities	**Recommendation - Delete in its entirety, as follows:** ~~422.2.2 Family or Assisted-Use Toilet Facilities. Where a separate toilet facility is required for each sex, and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall be permitted in place of the required separate toilet facilities.~~	3.6.2024		
170	Chapter 4	422.3		Fixture Requirements for Special Occupancies	**Recommendation - Delete in its entirety, as follows:** ~~422.3 Fixture Requirements for Special Occupancies. Additional fixtures shall be permitted to be required where unusual environmental conditions or referenced activities are encountered. In food preparation areas, fixture requirements shall be permitted to be dictated by health codes.~~	3.6.2024		
171	Chapter 4	422.4		Toilet Facilities Serving Employees and Customers.	**Recommendation - Delete in its entirety, as follows:** ~~422.4 Toilet Facilities Serving Employees and Customers. Each building or structure shall be provided with toilet facilities for employees and customers. Requirements for customers and employees shall be permitted to be met with a single set of restrooms accessible to both groups. Required toilet facilities for employees and customers located in shopping malls or centers shall be permitted to be met by providing a centrally located toilet facility accessible to several stores. The maximum travel distance from entry to any store to the toilet facility shall not exceed 300 feet (91 440 mm). Required toilet facilities for employees and customers in other than shopping malls or centers shall have a maximum travel distance not to exceed 500 feet (152 m).~~	3.6.2024		
172	Chapter 4	422.4.1		Access to Toilet Facilities.	**Recommendation - Delete in its entirety, as follows:** ~~422.4.1 Access to Toilet Facilities. In multi-story buildings, accessibility to the required toilet facilities shall not exceed one vertical story. Access to the required toilet facilities for customers shall not pass through areas designated as for employee use only such as kitchens, food preparation areas, storage rooms, closets, or similar spaces. Toilet facilities accessible only to private offices shall not be counted to determine compliance with this section.~~	3.6.2024		
173	Chapter 4	422.5		Toilet Facilities for Workers.	**Recommendation - Delete in its entirety, as follows:** ~~422.5 Toilet Facilities for Workers. Toilet facilities shall be provided and maintained in a sanitary condition for the use of workers during construction.~~	3.6.2024		
174	Chapter 4	Table 422.1		Minimum Plumbing Facilities.	**Recommendation - Delete in its entirety**	3.6.2024		
175	Chapter 4	423.1		Trench Drains	**Recommendation - Leave as amended in 2020 MPC, add language test duration shall not be less than 15 minutes, as follows:** 423.1 Trench Drains. Trench drains shall comply with ASME A112.6.3, ASME A112.3.1, or be constructed of watertight material and watertight joints, and be tested for watertightness by filling with water to the level of the flood rim of the trench drain. <u>The duration of the test shall not be less than 15 minutes.</u>	3.6.2024		

Plumbing Board
c/o Department of Labor and Industry
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PB0209.RFA.Scott Thompson.Floor Drain 908.1.1
Received 8/1/2025

Plumbing Board
Request for Action

PRINT IN INK or TYPE

NAME OF SUBMITTER	**PURPOSE OF REQUEST** (check all that apply): ☐ New Code
Scott Thompson	✓ Code Amendment ☐ Repeal of an existing Rule

The Minnesota Plumbing Code (MN Rules, Chapter 4714) is available at https://epubs.iapmo.org/2020/MPC/

Specify the purpose of the proposal: If recommendation for code change for appurtenance or method (check all that apply)

☐ Appurtenance (e.g., water conditioning equipment) ☐ Test Method

✓ Other (describe) Code clarification

Does your submission contain a Trade Secret? ☐ Yes ✓ No

If Yes, mark **"TRADE SECRET"** prominently on each page of your submission that you believe contains trade secret information. Minnesota Statutes, section 13.37, subdivision 1(b), defines "trade secret" as follows:

> "Trade secret information" means government data, including a formula, pattern, compilation, program, device, method, technique or process (1) that was supplied by the affected individual or organization, (2) that is the subject of efforts by the individual or organization that are reasonable under the circumstances to maintain its secrecy, and (3) that derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

Note that, although "trade secret" information is generally not public, the Board and its committees may disclose "trade secret" information at a public meeting of the Board or committee if reasonably necessary for the Board or committee to conduct the business or agenda item before it (such as your request.) The record of the meeting will be public.

Describe the proposed change. The Minnesota Plumbing Code (Minnesota Rules Chapter 4714) is available here: https://epubs.iapmo.org/2020/MPC/

NOTE:
- Please review the Minnesota Plumbing Code and include all parts of the Code that require revision to accomplish your purpose.
- The proposed change, including suggested rule language, should be *specific*. If modifying existing rule language, underline new words and ~~strike through deleted words~~.

Please list all areas of the Minnesota Plumbing Code that would be affected.

908.1.1 add exception

908.1.1 Size. The vertical piping between two consecutive inlet levels shall be considered a wet-vented section. Each wet-vented section shall be not less than one pipe size exceeding the required minimum waste pipe size of the upper fixture or shall be one pipe size exceeding the required minimum pipe size for the sum of the fixture units served by such wet-vented section, whichever is larger, but in no case less than 2 inches (50 mm) in diameter.

Exception: Vertical piping 2 inches (50mm) in diameter from a sink drain shall be permitted to wet vent a floor drain.

For Office/Committee Use Only Proposal received complete? ☐ Yes ☐ No			
Date Proposer notified of gaps:	Mode of notification (e.g., e-mail)	Date returned to Proposer:	Date materials re-received:

Office Use Only			
RFA File No. **PB0209**	Date Received by DLI 8/1/2025	Dated Received by Committee NA – will be reviewed by BOP	Date of Forwarded to Board TBD
Title of RFA PB0209.RFA.Scott Thompson.Floor Drain 908.1.1.Rec'd 8.1.2025			
Committee Recommendation to the Board: ☐ Accept ☐ Reject ☐ Abstain			
Board approved as submitted: ☐ Yes ☐ No		Board approved as modified: ☐ Yes ☐ No	

Need and Reasons For the Change. Thoroughly explain the need and why you believe it is reasonable to make this change. During a rulemaking process, the need and reasonableness of all proposed rule changes must be justified; therefore, a detailed explanation is necessary to ensure the Board thoroughly considers all aspects of the proposal.

Code Clarification

If your product/method standard(s) is not currently listed in a national code, your Request For Action will not be considered by the Board or its committees, however, you are welcome to present at any Board meeting during the Open Forum section of the Agenda.

The proposal must be accompanied by copies of any published standards, the results of testing, and copies of any product listings, as documentation of the health, sanitation and safety performance of any materials, methods, fixtures, and/or appurtenances. If none are available, please explain:

Please attach electronic scanned copies of any literature, standards and product approvals or listings. Printed or copyrighted materials, ***along with written permission from the publisher to distribute the materials at meetings***, and email to DLI.ccldboards@state.mn.us

Primary reason for change: (check only one)	
☐ Protect public, health, safety, welfare, or security	☐ Mandated by legislature
☐ Lower construction costs	☐ Provide uniform application
☐ Encourage new methods and materials	☐ Clarify provisions
☐ Change made at national level	✓ Situation unique to Minnesota
☐ Other (describe)	

Anticipated benefits: (check all that apply)		
☐ Save lives/reduce injuries		☐ Provide more affordable construction
✓ Improve uniform application		☐ Provide building property
☐ Improve health of indoor environment		☐ Drinking water quality protection
☐ Provide more construction alternatives		☐ Decrease cost of enforcement
☐ Reduce regulation	☐ Other (describe)	

The Following Information is Optional. This Information can Assist in Evaluating a Request for Action and in Rulemaking and Should be Provided if Known.

Economic impact: (explain all answers marked "yes")

1. Does the proposed change increase or decrease the cost of enforcement? ☐ Yes ✓ No If yes, explain

2. Does the proposed change increase or decrease the cost of compliance? ☐ Yes ✓ No If yes, explain
Include the estimated cost increase or decrease, and who will bear the cost increase or experience the cost decrease:

3. Are there less costly or intrusive methods to achieve the proposed change? ☐ Yes ✓ No If yes, explain

4. Were alternative methods considered? ☐ Yes ✓ No If no, why not? If yes, explain what alternative methods were considered and why they were rejected.

5. If there is a fiscal impact, try to explain any benefit that will offset the cost of the change. If there is no impact, mark "N/A." N/A

6. Provide a description of the classes of persons affected by a proposed change, who will bear the cost, and who will benefit. N/A

7. Does the proposed rule affect farming operations? (Agricultural buildings are exempt from the Minnesota Building Code under Minnesota Statutes, Section 326B.121.) ☐ Yes ✓ No If yes, explain

Are there any existing Federal Standards? ☐ Yes ✓ No If yes, list:

Are there any differences between the proposed change and existing federal regulations? ☐ Yes ✓ No
☐ Not applicable ☐ Unknown If yes, describe each difference & explain why each difference is needed & reasonable.

Minnesota Statutes, section 14.127, requires the Board to determine if the cost of complying with proposed rule changes in the first year after the changes take effect will exceed $25,000 for any small business or small city. A small business is defined as a business (either for profit or nonprofit) with less than 50 full-time employees and a small city is defined as a city with less than ten full-time employees.

During the first year after the proposed changes go into effect, will it cost more than $25,000 for any small business or small city of comply with the change? ☐ Yes ☐ No If yes, identify by name the small business(es or small city(ies).

Will this proposed plumbing code amendment require any local government to adopt or amend an ordinance or other regulation in order to comply with the proposed plumbing code amendment? ☐ Yes ✓ No If yes, identify by name the government(s) and ordinances(s) that will need to be amended in order to comply with the proposed plumbing code amendment.

Additional supporting documentation may also be attached to this form. Are there any additional comments you feel the Committee/Board may need to consider? If so, please state them here:

Information regarding submitting this form:

- Submissions are received and heard by the Committee on an "as received" basis. **Any missing documentation will delay the process, and your proposal will be listed as the date it was received "Complete."**
- **Submit any supporting documentation to be considered,** such as manufacturer's literature, approvals by other states, and engineering data electronically to DLI.CCLDBOARDS@state.mn.us. Once your Request For Action form has been received, it will be assigned a file number. Please reference this file number on any correspondence and supplemental submissions.
- For copyrighted materials that must be purchased from publishers, such as published standards, product approvals or testing data, listings by agencies (IAPMO, ASSE, ASTM, etc.,) you may send (or email) two copies, *along with written permission from the publisher to distribute the materials at meetings*, via U.S. Mail to: Plumbing Board, c/o Department of Labor and Industry, 443 Lafayette Road No., St. Paul, MN 55155-4344.
- For materials that must be submitted by U.S. Mail, please include a copy of your "Request For Action" form originally submitted and reference your assigned RFA file number.

Information for presentation to the Committee and/or Board:

- Limit presentations to 5 minutes or less.
- Be prepared to answer questions regarding the proposal and any documentation.

Information regarding Committee and/or Board function:

- The Plumbing Board or designated Committee.

I understand that any action is a recommendation to the Plumbing Board and is not to be considered final action.

Submitter's Name	Submitter's Email Address	Submitter's Firm Name
Scott Thompson	anastasis@loretel.net	Anastasis,Inc

Presenter's name, phone, and email if different

Submitter's Mailing Street Address	City	State	Zip Code
17694 28th ave North	Glyndon	Mn	56547

Submitter's Phone	Submitter's Signature (original, electronic or typed)	Date
701.238.9816	Scott Thompson	08.01.2025

For Assistance or questions on completing this form, contact Mike Westemeier, Department of Labor and Industry at michael.westemeier@state.mn.us or by phone 651-284-5898.