Meeting Minutes: 2024 UPC ad hoc Chapter 15 Rulemaking Committee of the Plumbing Board

Date: Feb. 18, 2026
Time: 9:00 a.m.
Minutes by: Lyndy Logan
Location: DLI, 443 Lafayette Rd. No., St. Paul, MN 55155

Committee Members

1. Karl Abrahamson (Committee Secretary)
2. Jonathan Lemke
3. Rick Wahlen (Chair)
4. Mike Westemeier (DLI CO's Designee)

Committee Members Absent

- None

DLI Staff & Visitors

- Paul Enger (DLI)
- Ken McGurran (Board Counsel, DLI)
- Lyndy Logan (DLI)
- Sean Callanan (DLI)

DLI Staff & Visitors continued…

- Thomas Eisert (DLI) – WebEx
- Matthew Flier (DLI) – WebEx
- Brad Jensen (DLI) – WebEx
- Steve Neubel (DLI)
- Anita Anderson (MDH)
- Tannie Eshenaur (MDH)
- John Galt (MDH) – WebEx
- Nancy Rice (MDH) – WebEx
- Jeremy Brown (NSF) – WebEx
- Derek Deland (NSF) – WebEx
- Adam Swan (U of M) – WebEx

1. Call to Order

A. Chair Wahlen called the meeting to order at 9:09 a.m., and roll call was taken. A quorum was declared with 4 of 4 Committee members present in person.
B. Announcements/Introductions
   - Everyone present in person and remotely can hear all discussions.
   - All votes will be taken by roll call if any member is attending remotely.
   - All handouts and WebEx instructions are posted on the Committee's website.

2. Approval of meeting agenda

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

3. Approval of previous meeting minutes

A motion was made by Lemke, seconded by Westemeier, to approve the January 6, 2026, draft minutes with the following revisions:

- Proposal Change #6, page 10:
  - Move the ** at the bottom of the Description column to the bottom of the Minimum Frequency column
  - Remove the comma after operations as follows: **Testing may be required more frequently due to the manufacturer's instructions, operations and maintenance manual, or the Authority having Jurisdiction.

- Proposal Change #7, page 10 & 11:
    - 1) Remove colon after components
    - 2) Remove period after system
    - 3) Remove period after systems
    - 6) Remove period after manufacturer(s)
- PB0216 should read: The Committee agreed to accept RFA PB0216 as presented.
- PB0219 should read: The Committee agreed to accept RFA PB0219 as presented.
- The vote was unanimous, with 4 votes in favor; the motion carried.

4. Regular Business

Wahlen's expense report was approved; Lemke is not collecting.

5. Special Business

- RFA PB0215 **– Anita Anderson & Tannie Eshenaur, MDH, Sections 1501.5, 1501.6, 1501.7, 1503.0 to 1504.11, 1505.0 to 1505.14, 1506.0 to 1506.13 – Rec'd 9.23.2025.**
- Proposed Change #13: **Revised 2/18/2026. The Committee agreed to accept Proposed Change 13 as shown below.**
    - **1506.8 On-Site Treated Nonpotable Water Devices and Systems.** Devices or equipment used to treat on-site treated nonpotable water to maintain the minimum water quality requirements in Section 1501.7 ~~determined by the Authority Having Jurisdiction~~ shall be listed and labeled (third-party certified) by a listing agency (accredited conformity assessment body) ~~or approved~~ and suitable for the intended application. ~~Devices or equipment used to treat on-site treated nonpotable water for use in the water closet and urinal flushing, surface irrigation, and similar applications shall comply with IAPMO IGC 324,~~ For example, certification to NSF/ANSI 350 Annex N-2 is appropriate for commercial graywater treatment systems. ~~Or approved by the Authority Having Jurisdiction.~~
    - Derek Deland (NSF) NSF supports the inclusion of log-reduction targets in section 1501.7 and appreciates their alignment with the new Annex N2 for both commercial and multifamily installations. However, NSF is concerned that the proposed requirement for certifying equipment used to meet these treatment criteria would unintentionally impact single-family residential systems. Currently, no single-family reuse systems are certified to meet the commercial-level log-reduction targets without undergoing extensive retesting and reclassification, even though these systems are already code-compliant and in use in places like Minnesota. Because the log-reduction framework in 1501.7 was developed specifically for commercial and multifamily applications, applying it to single-family systems may be unnecessarily conservative, restrictive, and cost-prohibitive. NSF encourages the committee to consider establishing separate, more appropriate requirements for single-family systems and will provide additional written comments in future opportunities.
    - **Committee discussion:** Log reduction targets (LRTs) have been shaped by numerous evolving documents over the years, with the most recent guidance coming from the EPA. The EPA document bases its LRT values on a 1,000-person model but notes that the results are still protective for smaller systems, even though population size can influence risk. Because science is still developing, the group chose to apply the same LRTs across all system sizes, including single-family systems, acknowledging that this approach may change in the future. There is no separate plumbing code for residential versus commercial buildings, and given the Department of Health's expectations, they support using one uniform standard rather than creating a lower residential standard. While recognizing this may create additional burdens for residential applications, they emphasized that a consistent standard provides the level of public-health protection they are aiming for**.**

- **Derek Deland (NSF)** I would just like to add, based on the discussion, that if the desire is to keep those requirements for all systems, then perhaps the callout for commercial that was added may not be necessary.
- **Committee discussion:** The group is clarifying that NSF 350 is mentioned only as an example of an acceptable third-party standard, not a mandatory requirement. Any standard may be used if it is appropriate for the intended application and complies with Section 1501.7. The debate centers on whether to keep the word "commercial" in the text, since the commercial version of NSF 350 is more stringent and could apply to both commercial and residential systems. Some feel keeping "commercial" helps signal which benchmark is relevant, while others note that removing it wouldn't change the practical outcome. The broader concern is ensuring the code doesn't unintentionally make onsite water reuse systems infeasible for residential users. Ultimately, there appears to be little support for creating a lower standard for residential properties, leaving two options: remove the residential requirement entirely or apply the same 1501.7 criteria to all properties. **Commercial was added before graywater in 1506.8.**

- 1505.12 Same Trench as Potable Water Pipes – Keep as shown in the 2024 UPC
- 1505.14 Inspection and Testing – Keep as shown in the 2024 UPC

1506.0 On-Site Treated Nonpotable Water Systems

- 1506.1 General – Accepted RFA PB0215 Proposed Change #12 as presented at the UPC meeting on Jan. 6, 2026.
- 1506.1.4 – New (added) – Accepted RFA PB0215 Proposed Change #16 as revised at the UPC meeting on Jan. 6, 2026.
- 1506.2 Plumbing Plan Submission – Keep as shown in the 2024 UPC
- 1506.3 System Changes – Keep as shown in the 2024 UPC
- 1506.4 Connections to Potable or Reclaimed (Recycled) Water Systems – Keep as shown in the 2024 UPC
- 1506.5 Water Pressure – Keep as shown in the 2024 UPC
- 1506.6 Initial Cross-Connection Test – Keep as shown in the 2024 UPC
- 1506.7 On-Site Treated Nonpotable Water System Materials – Keep as shown in the 2024 UPC
- 1506.8 On-Site Treated Nonpotable Water Devices and Systems - Accepted RFA PB0215 Proposed Change #13 as presented at the UPC meeting on Jan. 6, 2026.
- 1506.9 On-Site Treated Nonpotable Water System Color and Marking Information – Keep as shown in the 2024 UPC
- 1506.10 Design and Installation – Keep as shown in the 2024 UPC
- 1506.10.1 Listing Terms and Installation Instructions - Accepted RFA PB0215 Proposed Change #14 as presented at the UPC meeting on Jan. 6, 2026.
- 1506.10.2 Minimum Water Quality - Accepted RFA PB0215 Proposed Change #15 as presented at the UPC meeting on Jan. 6, 2026.
- 1506.10.3 Deactivation and Drainage – Keep as shown in the 2024 UPC
- 1506.10.4 Near Underground Potable Water Pipe – Keep as shown in the 2024 UPC
- 1506.10.5 Required Filters – Keep as shown in the 2024 UPC
- 1506.11 Valves – Keep as shown in the 2024 UPC
- 1506.12 Signs – Keep as shown in the 2024 UPC
- 1506.13 Inspection and Testing – Keep as shown in the 2024 UPC
- 1506.14 - Accepted RFA PB0215 Proposed Change #16 as revised at the UPC meeting on Jan. 6, 2026.
- 1506.15 - Accepted RFA PB0215 Proposed Change #17 as presented at the UPC meeting on Jan. 6, 2026.
- Appendix S (stormwater systems) – The Committee agreed not to adopt Appendix S but to add the definition of stormwater to Chapter 2, as follows: Stormwater: Natural precipitation that has contacted a surface at grade, below grade, or above ground parking surfaces.

6. Announcements

This is the final meeting. Recommendations will be brought forward to the full Board meeting in March.

7. Adjournment

A motion was made by Abrahamson, seconded by Lemke, to adjourn the meeting at 10:45 a.m. The vote was unanimous, with 4 votes in favor of the motion; the motion passed.

Respectfully submitted,
Karl Abrahamson
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Committee Secretary

Green meeting practices

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