



MINUTES

Premise Water Supply System Design Task Group - Meeting #3

Friday, January 21, 2022 from 11:00AM – 1:00PM (PT)

<https://iapmo-org.zoom.us/j/82564732057>

Meeting ID: 825 6473 2057

Members Present:

Jim Kendzel, Chair
Samantha Barnes
Gary Klein
John Koeller
Todd Kuchta
John Lansing
Markus Lenger
James Kemper

Representation:

American Supply Association
Water Quality Association
Gary Klein and Associates, Inc.
Koeller and Co.
Self
PAE Consulting Engineers
CleanBlu Innovations Inc
City of LA Department of Water and Power

IAPMO Staff Present:

Taylor Duran
Dan Cole
Enrique Gonzalez
Zalmie Hussein
Joshua Luo

Title:

Staff Liaison
Sr. Director of Technical Services
Plumbing Code Development Administrator
Mechanical Code Development Administrator
Project Engineer

- I. Call to Order.** The Chair, Jim Kendzel, called the meeting to order on Friday, January 21, 2022, at 11:00 AM (PT).
- II. Roll Call and Self-Introductions.** Taylor Duran welcomed the Task Group, took roll, and asked members to state their representation.
- III. Code of Conduct.** See page 42 of the [IAPMO Guide for Conduct Policy](#). Taylor Duran reviewed the IAPMO Guide for Conduct Policy.
- IV. Conflict of Interest.** See below for the IAPMO Conflict of Interest Policy. Taylor Duran reviewed the IAPMO Conflict of Interest Policy.
- V. Review and approval of the Agenda.** The Chair, Jim Kendzel, asked for approval of the agenda. The motion was made and seconded to approve the agenda. The motion passed.
- VI. Review and approval of the December 13, 2021 Meeting Minutes.** The Chair, Jim Kendzel, asked for approval of the December 13, 2021 Meeting Minutes. The motion was made and seconded to approve the minutes. The motion passed.

VII. Scope of the Task Group. Taylor Duran reviewed the Task Group scope as follows:
The scope of this task group is to investigate premise plumbing water supply system design provisions that would result in improved water quality and water- and/or energy-efficiency performance. Strategies to investigate include minimizing pipe sizes and lengths, strategically locating fixtures and appliances near each other and to the water heater, piping strategies to prevent or minimize stagnation, velocity minimums and maximums for water quality control, and technologies for leak detection devices. The recommendations provided by the task group will be forwarded to the WE-Stand Technical Committee for consideration in the development of the 2023 edition of the WE-Stand.

VIII. Goals for the meeting.

A. Review assigned action items.

The Task Group reviewed submitted action items.

i. Review of draft of changes based on the list of preliminary recommendations related to incorporating Appendix C into the mandatory section of the WE-Stand (Taylor Duran).

Taylor Duran and Dan Cole reviewed the new Chapter 5 and revised Appendix C. Upon review, the Task Group determined the following:

- Chapter 5 should be revised to address occupancies other than single and multi-family dwellings by referencing UPC Appendix A;
- Incorporating UPC Appendix A into WE-Stand Appendix C is not desired; and
- Appendix C should contain only examples of the WDC.

ii. Review of Section 1003.4 for equipment sizing and distribution system design requirements (Todd Kuchta).

Todd Kuchta discussed possible issues with the organization of Chapter 10. It was determined that the chapter should be reorganized for clarity and better flow.

iii. Format the table for fixture location efficiency to match the list layout in Section 1003.7.1 of the WE-Stand (John Lansing).

John Lansing and Gary Klein reviewed their new proposed language for fixture location and energy efficiency. The Task Group agreed with the recommendations presented.

iv. Review of leak detection provisions (Jim Kemper).

Jim Kemper reviewed his proposed changes to Section 409.0 (Leak Detection and Control). From this review, the Task Group made additional revisions and agreed upon a recommendation.

B. Assign new action items.

The Task Group agreed to the following action items:

- John Lansing & Gary Klein are to review the draft proposal for fixture location and efficiency, generate terminology, and provide feedback to Taylor Duran.
- Jim Kendzel, Taylor Duran, Gary Klein, & Dan Cole are to revise Chapter 5 and Appendix C.
- Jim Kemper is to generate a technical justification for the proposed revision to Section 409.0 (Leak Detection and Control).
- Todd Kuchta & Gary Klein are to reorganize Chapter 10 (Water Heating Design, Equipment, and Installation). Once the section layout is determined, please send the information to Taylor Duran.
- Taylor Duran is to assist with the development of draft recommendations for the following:
 - Revised Section 409.0 (Leak Detection and Control)
 - Revised Chapter 5 (WDC)
 - Revised/reorganized Chapter 10 (Water Heating Design, Equipment, and Installation)
 - New Section 1003.7 (Maximum Hot Water System Ratios) including terminology
 - Revised Appendix C – Updated WDC examples

The due date for assigned action items is **February 4, 2022**.

C. Address additional questions and concerns. **None.**

IX. Future meetings. The fourth Task Group meeting will be held during the week of February 7, 2022, and the fifth meeting will be held on either February 21, 2022, or February 22, 2022. Taylor Duran will send a doodle poll for the next two meetings.

Taylor Duran will also send a doodle poll for a meeting with Jim Kendzel, Gary Klein, & Dan Cole to review Chapter 5 and Appendix C.

X. Other business. **None.**

XI. Adjourned. The meeting was adjourned at 12:43 PM (PT).