



1791 TULLIE CIRCLE, N.E./ATLANTA, GA 30329

404-636-8400

DRAFT

TC/TG/MTG/TRG MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/MTG/TRG No. 3.6 DATE: January 23, 2024

TC/TG/MTG/TRG TITLE Water Treatment

DATE OF MEETING January 23, 2024 LOCATION Chicago, IL

MEMBERS PRESENT	Status	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Joshua Ince – Chair, virtual	Voting	<u>In-person, NV Attendees (17)</u>	
Tania Ullah – Secretary	Voting	Tina Brueckner	Philip Yu
Tyler Anderson - Research	Voting	Wenhong Xue	Snehal Desai
Joe Ham – Programs, virtual	Voting	Alain Trahan	Brandon Gross
William (Bill) Pearson	Voting	Erica Eskins Parker - Research	Henry Becker
Harrison (Ruffin) Tyler	Voting	Morgan Nankivell	Laura Sanchez
Clive Ling	Voting	Abraham Cullom	Tom Watson
Helen Cerra	Voting	Rob Jancwiak	Bin Lin
Ron George	Voting	Mary McClellan	John Aykroyd
Frank Morrison	Voting	Lauren Kilbarda	
Clive Broadbent, virtual	Voting	<u>Virtual, NV Attendees (7)</u>	
Richard (Dick) Miller, virtual	Voting	Bob Silva	Ken Mortensen
Claressa Lucas, virtual	Voting	Annette Dwyer	Jim Kendzel
Jon Cohen	Voting	Janet Stout	Chee S Ow
	14	Paul Lindahl	

Members Absent	Status		
Jeffrey Boldt	Voting		
Stu Assay	Voting		
		Total Attendance	38

TAC Section Head:	SH3.6@ashrae.net
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

Note: These draft minutes have not been approved and not the official, approved record until approved by the TC at the next meeting.

Agenda

1. CALL TO ORDER

Josh called the meeting to order at 1:05PM CT. Slides for his presentation are available on Basecamp.

2. ROLL CALL & INTRODUCTIONS

Quorum 13/15 voting members (+ 1 non-quorum VM was present)

3. ASHRAE Code of Ethics Commitment

Josh read aloud the statement:

“As members of ASHRAE or participants in ASHRAE activities, we pledge to act with honesty, fairness, courtesy, competence, integrity, and respect for others in our conduct. We will avoid conflicts of interest and behavior that is discriminatory and/or harassing.”

4. REVIEW OF AGENDA

5. APPROVAL OF MINUTES (*2023 Annual Meeting Tampa*)

All in Favor, chair not voting (YES:NO:ABSTAIN 13:0:1)

6. SECTION 3 CHAIR REVIEW –*Brueckner*

- 6.1. Building Decarbonization Taskforce will be disbanded, changed over to a center of excellence type of approach. Idea is to push down decarbonization focus down to TCs, Standards, etc.
- 6.2. There is a push to get Handbook chapters updated in a timely manner (per schedule). Our chapters have been updated on time and we are working on the 2027 version right now.
- 6.3. As members, if there is a direction you believe ASHRAE should take for its strategy and mission, please provide feedback to Tina or reach out to any others in TC Leadership. Communicate feedback in-person, or email/ cell phone between meetings.

7. REVIEW OF SECTION 3 BREAKFAST MEETING – *Ince*

- 7.1. Overview of TC breakfast meeting slides
- 7.2. ASHRAE decarbonization goals reviewed.
- 7.3. There is a feedback form for ASHRAE membership input for goals, strategy. See link below

ASHRAE Strategic Plan

- Current Strategic Plan covers 2019-2025
- Next Strategic Plan is under development and your input is sought
<https://strategicplanfeedback.ashrae.org/>
- ASHRAE will pull response data on
 - January 31, 2024
 - May 31, 2024



8. MEMBERSHIP REPORT – *Bill Pearson*

- 8.1. Review of what membership entails: 4 year commitment, attending meetings (establish quorum) and voting, get backing of your company/organization. Can be active in various subcommittees.
- 8.2. 16 VM currently (rolling off this summer in yellow, rolled on last summer in green)

Roster Voting members (year of roll-off)

Tania Ullah	2026
Josh Ince	2024
Bill Pearson	2024
Claressa Lucas	2026
Ruffin Tyler	2026
Jon Cohen	2025
Clive Broadbent (Int'l NQ)	2025
Richard Miller	2024
Jeffrey Boldt	2024
Frank Morrison	2024
Tyler Anderson	2026
Clive Ling	2025
Helen Cerra	2026
Ron George	2027
Stu Assay	2027
Joseph Ham	2027

- 8.3. Annual meeting is when old members roll off. This June 30th, 5 ppl (Josh Ince, Bill Pearson, Dick Miller, Jeff Bolt, and Frank Morrison) will roll off, and it gives opportunity for new members to join. Let someone in TC leadership know of your interest.
 - 8.3.1. Alain Trahan and Henry Becker are volunteering to re-join as members
- 8.4. There is an open Leadership position – Vice Chair Jeff Ramey has retired from ASHRAE. Jon Cohen has volunteered for the position and it will be updated into the roster. No objections from the group.
- 9. LIAISON REPORTS – ASHRAE / AWT / CTI / OTHERS
 - 9.1. Relevant Codes and Standards Reports
 - 9.1.1. ASHRAE Guideline 12 and Standard 188 – *Ken Mortenson*
 - 9.1.1.1. Standard is under continuous maintenance. Flushing procedure is being reviewed
 - 9.1.2. SSPC 400 update - *Tom Watson*
 - 9.1.2.1. Guideline 12, Standard 188, Standard 514 are going to be aligned and there will be a new overarching SSPC. There will be 3 different documents covered under it. Membership has almost 80 % overlap, so this will streamline the structure.
 - 9.1.2.2. One of the questions in the TC are: how do subcommittees and membership work? Subcommittees have VMs similar to other TCs.
 - 9.1.2.3. Will be voted on by Standards Committee – SPLS and will be enacted on Wednesday. Once it goes through, a call for sign-ups will go out (to past members and for new members).
 - 9.1.3. ASHRAE Standard 514 – *Mortensen*
 - 9.1.4. CTI Guideline 159 – *Cerra*
 - 9.1.4.1. Meeting next Friday (virtual) and the CTI meeting will take place Feb 4th – 8th at the Westin Galleria in Houston, TX. All are welcome to attend.
 - 9.1.5. ASHRAE Standard 189.1 – *Frank Morrison chimed in but looking for a TC 3.6 liaison*
 - 9.1.5.1. Working Group 6 Water Subcommittee update on cooling tower water management (reducing water usage).
 - 9.1.5.2. Overlap between 191P and 189.1, so perhaps there can one liaison for both. Jim Kendzel is volunteering and the response from the group is affirmative.
 - 9.1.6. ASHRAE Standard 191P – *Kendzel*
 - 9.1.6.1. Going through its final stage of reviewing comments and there will be a minor public review of the standard.
 - 9.1.7. ASHRAE Standard 90.1 – *Lindahl*
 - 9.1.7.1. Paul has sent out Liaison Report (which has been posted on Basecamp)
 - 9.1.7.2. Jim Kendzel: 90.2 is pushing to include water efficiency and there's resistance to it because it is an energy standard not a water one.

9.1.8. ASSE/IAPMO/ANSI 1280 – *Stout*

9.1.8.1. Over the summer, online version of certification for 1280 is up.

9.1.9. Association of Water Technologies (AWT) – *Pearson*

9.1.9.1. October meeting in Grand Rapids, MI. Next conference is in Louisville, KY (Sept 10th-13th).

9.1.9.2. Regional and technical training is always accessible.

9.1.10. Task Force for Building Decarbonization

9.1.10.1. No update. Disbanding.

10. HANDBOOK – *Trahan*

10.1. Handbook Subcommittee Update

10.1.1. Started the process of planning subcommittee meetings from February onwards. Volunteers have been contacted. Please get in touch with Alain if there's interest to join.

10.1.2. Will begin with determining approach for revision (draft due Jan - May 2026). This is for the paper version, but revisions for digital version can be submitted after.

10.1.3. Alain has created a Basecamp section for Handbook review, any TC 3.6 members can go look at it.

10.1.4. Handbook subcommittee members will be handling the revision and the committee will vote on the chapter draft before sending it to ASHRAE leadership.

10.2. Goals for next edition/rewrite

11. RESEARCH – *Anderson/Eskins*

11.1. Research project update

11.1.1. Attended the research breakfast. ASHRAE has funded all the approved Work Statements (i.e., there is no longer a backlog). The research budget is back up to pre-Covid numbers.

11.2. Zheng O'Neill Research Liaison (not present)

11.3. Strategic Plan Initiatives review (research topics need to fit into these to be approved)

11.4. Existing projects

11.4.1. WS-1930 Sensible Temperatures topic. Literature review for identifying gaps and provide recommendations. TC 6.6 - Service Water Heating voted *against* co-sponsoring the WS because they feel the research is already out there (consumer reports and academic literature). This WS would not add anything new, according to a specific TC 6.6 member.

11.4.2. WS-1889/TRP-1889 Graywater in healthcare topic. Received bid proposal and made a recommendation to TC 9.6 (who is co-sponsoring). Erica and Tyler are on the proposal evaluation committee. Vote will be conducted next week re: moving forward. Timeframe on the project is 12 months.

- 11.4.3. PTAR 002, Guidelines for individual state codes for supplemental disinfection in buildings. Submitted 2 years ago and was rejected (recommended *not* to resubmit because they argued that this is publicly available information). As a committee, we disagreed, and it is being edited for re-submission. Tyler will bring it up at the Standard 188 meeting. Ron George volunteers to participate.
- 11.5. Projects in the Pipeline
 - 11.5.1. Try to align new RTAR/PTAR with strategic goals. Champions for the ideas should write up the RTAR/PTAR
 - 11.5.2. Topic 1: Short-term, high level disinfection effects on various pipe materials. MOU between Lubrizol and ASHRAE to fund, and they will have one person on the proposal evaluation subcommittee to do the research. Same goes for the project evaluation committee
 - 11.5.3. Any new ideas? No response.
- 12. PROGRAM – *Ham* (shared slides)
 - 12.1. Programs at this meeting
 - 12.1.1. Submitted something for conference program (Part 4 of series, focused on reclamation/reuse). Suggested resubmitting for Indianapolis (if there is an appropriate track) and the committee is for it.
 - 12.2. Programs for Upcoming Meetings
 - 12.2.1. Overview of the tracks for next conference at Indianapolis. Due date for session proposals is February 26th.
 - 12.2.2. Subcommittee meeting on Sunday covered new ideas, some possibly related to decarbonization goal.
 - 12.2.2.1. Decarbonization and Water Treatment, Leading Edge System Design topic. TC 8.6 co-sponsor. Michael Patton tentative session chair
 - 12.2.2.2. Jon Cohen suggests a panel discussion. Addition focus on controls may touch on the AI track. Tying it into disinfection is a possibility.
 - 12.2.2.3. Anyone interested in being on the panel?
 - 12.2.2.4. Joe will firm up details on the session and then put out a call out for volunteers
- 13. Digital Chair (Website and Basecamp) UPDATE – *Trahan*
 - 13.1. Up to date
- 14. SOCIAL NIGHT REPORT – *George*
 - 14.1. This session's social night was on Sunday. Venue was crowded! About a dozen TC members attended.
 - 14.2. Appointment of Social Night Chair for Indianapolis Annual Meeting 2024
 - 14.2.1. Social night will be on Monday. Any volunteers to organize it? Ron has volunteered again.
- 15. OLD BUSINESS

None

16. NEW BUSINESS

16.1. Decarbonization discussion – where can our TC inject ourselves to ensure water is properly considered in all solutions?

No comments or input from the group at this time.

17. DATE AND LOCATION FOR NEXT MEETING

Annual Meeting – Indianapolis, Indiana, June 22-26, 2024

18. ADJOURNMENT

Josh adjourned at 3:58PM CT.

DRAFT