



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

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: June 25, 2019

TC/TG/MTG/TRG TITLE Water Treatment

DATE OF MEETING JUN 25, 2019 LOCATION Kansas City, MO

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Helen Cerra	2017	Ron Wood	2016	Joshua Ince
Patrick Racine	2017	Claressa Lucas	2017	John Aykroyd
Clive Broadbent	2017	Michael Patton	2017	Jeff Boldt
William Pearson	2015	Allyn V. Troisi	???	Kim Ngugen
Dan Weimar	2017			Gary Harbison
Henry Becker	2018			Paul Lindahl
Jeff Ramey	2018			Jon Cohen
Richard Miller	2015			Scott Shaffer
Ken Mortensen	2018			Ng Yong Kong
Janet Stout	2018			Ron George
Alain Trahan	2016			Arthur Freeman
Harrison (Ruffin) Tyler	2017			Joe Ham
				Jim Kendzel
				Barbara Minor
				Frank Morrison
				Tom Mastbaum
				Mark Pfeifer
				Bob Silva
				Todd Cornwell

				Tania Ullah
				Tyler Anderson
				Brandon Gross
				Michael Castro
DISTRIBUTION: All				Joe Evans

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.

Main TC 3.6 Meeting Agenda

1. CALL TO ORDER

Meeting called to order at 1:00 PM by Helen

2. ROLL CALL & INTRODUCTIONS

Quorum – 12/14 (18 minus 4 resignation/retiring/change in industry)

3. ASHRAE CODE OF ETHICS COMMITMENT

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)

4. REVIEW OF AGENDA

5. APPROVAL OF MINUTES (2018 Annual Conference, Houston, TX)

Dan W– seconded by Bill P – carried 11 yes, CNV abstained

6. REVIEW OF SECTION 3 BREAKFAST MEETING – Helen Cerra

Change management presentation done at breakfast.

High Tower Awards – looking for candidate

Go-to-meeting available now if we need help achieving quorum

7. SECTION 3 CHAIR REVIEW – Barbara Minor

Barbara Minor - Discussion on reorganization of TAC and Tc Structure. No major changes coming, but rather grass root effort to merge where logical

Barbara brought a certificate to recognize Helen Cerra for her service to TC3.6, as she is exiting the chair position.

8. MEMBERSHIP REPORT – Bill Pearson

8.1. Voting Membership - *Bill Pearson welcomed the guest.*

July 1st is the roll-off dates:

Rolling on – Jon Cohen, Frank Morrisson, Scott Schaffer.

Rolling off – Bill Pearson, Bill Pearson, Dick Miller

Patrick Racine reminded everyone that you don't need to be a voting member to add to the committee and participate in sub-committee activity.

8.2. TC Leadership –

9. LIAISON REPORTS – ASHRAE / AWT / CTI / OTHERS

9.1. Research Liaison – Steve Kujak

Steve Kujak for RAC liaison – Update –

9.2. Relevant Codes and Standards Reports

9.2.1. ASHRAE Guideline 12

Paul L – update on Guideline 12 – committee going through third public review comments. Lots of headway. Consent agenda. Paul feels guideline 12 is looking like a very strong document. We will probably need another public review.

9.2.2. CTI Guideline 159

Bill Pearson – close to wrapping up. Going to adhoc committee for review – potentially at the summer meeting.

9.2.3. ASHRAE Standard 189P

Josh – no updates

9.2.4. ASHRAE Standard 191P

Jim – struggling for getting a quorum vote – trying to go to public review. Hoping for Winter 2020 final vote

9.2.5. ASHRAE Standard 90.1 *Paul Lindahl. – seminar 34 an 40 co-sponsored.*

9.2.6. ASHRAE Standard 514

9.2.7. Climate Chapter – TC2.5 Handbook

Alain Trahan – climate change chapter in next handbook.

9.2.8.

9.2.9.

10. HANDBOOK – *Michael Patton/*

10.1. Handbook Subcommittee Update

Michael Patton not here – last version published recently. We need to start working on the next version at Orlando 2020 – committee

Anything wrong can be fixed in out-of-cycle update.

11. RESEARCH – *Todd Cornwell*

11.1. Research project update

Grant for \$5000 for graduate students to attend ASHRAE. New award

New Investigator Award

PTAR – Publication rather than Research – new category. One project going through this path. May be beneficial for this group

Another item brought up by Tyler, regarding TC9.6, asking if their RTAR (to be voted on letter ballot this summer) would have any interest by our TC3.6 to co sponsor. Grey Water use in Healthcare facilities, Determining Risk and Appropriate Design Requirements. Potential for using re-use water (grey) for: Toilet flushing, hand washing, cooling tower makeup, boiler makeup, etc. Project will be a literature review to capture the current practice regarding water re-use in healthcare, to determine standards and quality guidelines for the unique healthcare environment. Good recommendation by Jim to

develop common terminology for types of water, sources, re-use, etc. August 15th is the next deadline to get RTARs submitted to RAC for approval and discussion.

Two tentative research projects. Have not been submitted to RAC.

Performance Evaluation of secondary disinfection technology – RTAR project recommendation. Todd/Janet are working on the RTAR. – Josh, Alain, Tyler, Jim, Joe H, Jon C and Ron G. – Janet will review the write up by Todd. Meeting in the near future with the small group. Needs to be voted on before August 15th.

Regulatory review on secondary disinfection by state – RTAR project recommendation – small group working on this. Jeff R. and Todd C will work on this. Unsolicited Research Project – better path to speed things up, due to the low \$ value of project and priorities. Process is for the document to go from Tom M to TAC directly, then TAC sends to TC3.6 for a vote.

12. PROGRAM – Jon Cohen

12.1. Programs at this meeting

Two sessions – Seminar 34 and 40 – 6 presenters total.

Orlando Program – Guideline 12 & other

Panel discussion – co sponsored with 8.6 - change in codes affecting the water treatment and cooling tower industry.

Motion

To support 8.6 by co-sponsoring their panel discussion – New or perspective A

Moved by Jeff + second by Alain

Motion

To sponsor a session on the changing regulatory landscape of guidelines – Janet Stout, Patrick Racine, - chaired by Alain Trahan

Moved by Janet + second by Bill – motion passes unanimous -

Conference paper: Emergency Remediation – Checklists and lessons learned – Ron George

Austin – deadline is close to Orlando meeting. (Feb 10th)

Motion

To sponsor a session on the Basics of Steam Boiler Water Treatment – Joe Ham, Dan W, Henry B, - Bill Pearson to chair

Moved by Patrick R + second by Alain passes unanimous

WEBSITE UPDATE – Joshua Ince

Josh says it is updated

SOCIAL NIGHT REPORT – *Paul L organized -well received – 30 people*

12.2. Appointment of Social Night Chair for Orlando Meeting – Todd C.

13. OLD BUSINESS – TC reorg – Jon Cohen gave high level review of driving forces here.

14. NEW BUSINESS –

Clive Broadbent and Jon Cohen awarded the Distinguish Service Award.

Helen is writing a letter to the ASHRAE folks to explain how well TC3.6 is doing

15. DATE AND LOCATION FOR NEXT MEETING

Winter Conference – Orlando – Feb 1–5, 2020

16. ADJOURNMENT

Adjourn by Helen at 14h59