



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: February 4, 2020

TC/TG/MTG/TRG TITLE Water Treatment

DATE OF MEETING FEB 4, 2020 LOCATION Hilton Orlando, FL

MEMBERS PRESENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Patrick Racine	2017	Helen Cerra	William Pearson
Alain Trahan	2016	Joshua Ince	John Aykroyd
Michael Patton	2017	Jeff Boldt	Richard Miller
Dan Weimar	2017	Paul Lindahl	Ng Yong Kong
Henry Becker	2018	Ron George	Clive Ling
Jeff Ramey	2018	Joe Ham	Tom Mastbaum
Ken Mortensen	2018	Frank Morrison	Bob Silva
Janet Stout	2018	Mark Pfeifer	Tyler Anderson
Harrison (Ruffin) Tyler	2017	Brandon Gross	Michael Castro
Claressa Lucas	2017	Joe Evans	Alberto Comazzi
Ron Wood	2016	Carl Schultz	Galen Gerig
Jon Cohen	2019	Tom Watson	Jeffrey Martin
Todd Cornwell	2019	Robert O'Donnell	Don Walden
Scott Shaffer	2019	Steve Ebersohl	Desai Snehal
			Mark Wiersma
MEMBER ABSENT	YEAR APPTD		
Clive Broadbent	2017		

TAC Section Head:	SH3.6@ashrae.net
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALL, 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.

Main TC 3.6 Meeting Agenda

1. CALL TO ORDER

Meeting called to order at 1:00 PM by Patrick

2. ROLL CALL & INTRODUCTIONS

Quorum – 14/14 voting members, 0/1 Voting member non-quorum.

3. ASHRAE CODE OF ETHICS COMMITMENT

Patrick reads ASHRAE's code of ethics and reminds everyone that we have to abide by these.

In summary: 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 (2019 Annual Conference, Kansas City, MO)

Jeff R.– seconded by Bob Sylva – Approved unanimously

6. REVIEW OF SECTION 3 BREAKFAST MEETING – Patrick Racine

New format with all Sections in the same room as in Kansas City but improved with larger tables for each Sections.

Re-Org discussion and drive to improve.

High Tower award nominations suggestions?

CEC standing request for Program track suggestions.

PDC seeking ideas for ASHRAE Institute.

7. SECTION 3 CHAIR REVIEW – Barbara Minor

Barbara Minor – Made it after the meeting where Patrick and Alain summarized the meeting.

8. MEMBERSHIP REPORT – Bill Pearson

8.1. Voting Membership

Bill Pearson welcomed the guests. Explains the voting member selection process. People who attend meetings and get involved are chosen to become voting members.

Summer meeting is the end of the year and July 1st is the roll-on/Roll-off dates:

Rolling on – Bill Pearson, Joshua Ince, Jeff Boldt, Richard Miller and Alain Trahan will stay on.

Rolling off – Patrick Racine, Clive Braodbent, Todd Cornwell, Ron Wood

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

8.2. TC Leadership – Patrick Racine

Patrick explains that his role his changing at his company and he would need to cut his term to one year. He asked for volunteers to fill in the various positions and Alain is available to move in for next year. Discussion on the possibility of moving after only 1 year as Vice-Chair and we will check with Barbara Minor, Section Head. (Note to all: Barbara

approved the move when we inquired after the meeting and she instructed us to make the Roster changes as such. Joshua Ince will move in as Vice Chair and Brandon Gross will take over the website maintenance.

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

9.1. Research Liaison – Steve Kujak

Steve Kujak RAC liaison. Our TC has no RTARs. RAC will provide subcommittee training modules.

9.2. Relevant Codes and Standards Reports

9.2.1. ASHRAE Guideline 12 and Standard 188

Paul L – Guideline 12 is being approved by SPLS. Document is at Publication. Should be out for sale as soon as all approved which means it should be out before Austin. 188 is in corrections of minor issues captured in producing Guideline 12 as well as some captured within the 514 process.

9.2.2. CTI Guideline 159

Bill Pearson – 159 is published. Helen Cerra is CTI President and they are holding their meeting in 2 weeks. She will be stepping down following the meeting.

9.2.3. ASHRAE Standard 189P

Josh – no updates

9.2.4. ASHRAE Standard 191P

Jim – Currently in Public Review.

9.2.5. ASHRAE Standard 90.1

Paul Lindahl. – Getting good support for 90.1 project. Some sections involve high costs issues and will be challenging to deploy. To be followed.

9.2.6. ASHRAE Standard 514

Activity is good and lots of work ongoing with meetings scheduled in between the winter and summer meetings. Very tight timeline is challenging, and it is moving swiftly with the approach that is used of having the meetings at HO outside the winter and summer meetings. Next meeting May 12th to 14th.

Patrick asked if there was a possibility of having meetings during the meetings and Tom said that given the tight deadline to be met, they will continue in this way. But given that SSPC 188 will likely drop the Wednesday 8h to 12h timeslot, that they may consider taking it up, to be followed.

9.2.7. Climate Chapter – TC2.5 Handbook

Alain Trahan – no follow up at this meeting

10. HANDBOOK – Michael Patton

10.1. Handbook Subcommittee Update

Michael Patton asks that we use his MSN e-mail address please for ASHRAE communications. Handbook is out and plan the review for next meeting since next review is submitted in 30 months. Out of cycle updates in progress. Michael last cycle has HSC chair.

Michael will be stepping down as Handbook Chair following this next review process for 2024 Handbook, Brandon Gross will support Michael and learn the ropes.

11. RESEARCH – Todd Cornwell incoming Tom Mastbaum with Tyler Anderson as VC

11.1. Research projects update

PTAR – Publication rather than Research – new category. One project going through this path. May be beneficial for this group. We will use this for the research of the various legislation.

At our previous meeting, Tyler had explained that TC9.6, was submitting an RTAR on 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. We all agreed that has our RAC liaison explained at our HP&R sub committees meeting that the better process is to support following approval by RAC of TC 9.6's submittal.

12. PROGRAM – Jon Cohen

12.1. Programs at this meeting:

No Programs at this conference.

12.2. Programs next meeting (Austin):

Motion: TC will 3.6 support the 3 sessions as outlined for Austin summer meeting :

1. Seminar on Guideline 12, Standard 188 & others: Alain Chair with Janet, Bill & Patrick. Co-Sponsor 8.6 and possibly 2.10. Alain will submit abstracts for February 10. – Track 7 – Resilient Buildings and Communities

2. Session on the Basics of Steam Boiler Water Treatment – Joe Ham, Dan W, Henry B, - Bill Pearson to chair and submit abstracts for February 10 – Track 1 – Fundamentals & applications

3. Session on Emergency Disinfection (Ron George on thermal disinfection in hot water system, Josh or Henry for Chemical disinfection Ron/Henry, to confirm chair name and the plan to submit abstracts for February 10. – Track HVAC&R Systems and Equipment

Proposed by Jeff Boldt - Second Janet Stout: Motion approved 14/14.

Joe Ham will join Jon as Vice-Chair to move into Program Chair from July 1st.

13. WEBSITE UPDATE – Joshua Ince

Josh confirms that the site is updated.

14. SOCIAL NIGHT REPORT – Todd organized, thank you very much!

25 participants and all were very appreciative.

14.1. Appointment of Social Night Chair for Austin Meeting –

Dan Weimar volunteered, thank you!

15. OLD BUSINESS –

No old business.

16. NEW BUSINESS –

Only new business was covered above in Leadership section of minutes with Patrick passing the baton as Chair to Alain.

17. DATE AND LOCATION FOR NEXT MEETING

Summer Conference – Austin – June 27–July 1, 2020

Our meetings will thus be:

Sunday June 28th: 3h00pm to 5h00pm

Tuesday June 30th: 1h00pm to 3h30pm

18. ADJOURNMENT

Meeting adjourned by Patrick at 14h10. Thank you to all.