



**1791 Tullie Circle, N.E./Atlanta, GA 30329  
404-636-8400**

**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 26, 2018

TC/TG/MTG/TRG TITLE Water Treatment

DATE OF MEETING June 26, 2018 LOCATION Houston

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Helen R. Cerra	2017	Claressa Lucas	2017	Joshua Ince
Patrick Racine	2017	William McCoy	2014	John Cohen
Clive Ling	2014	Leon Shapiro	2014	Henry Becker
Frank Morrison	2015	Clive Broadbent	2017	John Aykroyd
Alain Trahan	2016			Sarah Ferrari
Ruffin Tyler	2017			Paul Lindahl
Dan Weimar	2017			Jeff Ramey
Todd Cornwell	2015			Scott Shaffer
William Pearson	2015			Janet Stout
Richard Miller	2015			Allyn Troisi
Ron Wood	2016			Kristy Azzolin
Michael Patton	2017			Arthur Freeman
				James Kendzel
				Thomas Mastbaum
				Ken Mortensen
				Tyler Anderson
				Christopher Tjon
				Taylor Becker

TAC Section Head: Jay Kohler	SH3@ashrae.net
CTTC Liaison: Tracey Jumper Research Liaison: Stephen Kujak Professional Dev. Liaison: James Bochat Handbook Liaison: Harris Sheinman Standards Liaison: Niels Bidstrup	CTTC3@ashrae.net RL3@ashre.net PDCchair@ashrae.net hba5@ashrae.net SL3@ashrae.net
Mike Vaughn, Manager of Research & Technical Services	MORTS@ashrae.net

TC 3.6 Management Team	
Chair	Helen Cerra
Vice Chair	Patrick Racine
Program	Jon Cohen
Handbook	Michael Patton
Research	Todd Cornwell
Membership	Bill Pearson
Webmaster	Joshua Ince

## Main TC 3.6 Meeting Minutes

### 1. CALL TO ORDER

Meeting called to order at 1:00PM by Helen

### 2. ROLL CALL & INTRODUCTIONS

Quorum – 11/16

### 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 Winter Conference, Chicago, IL)

Bill Pearson – seconded by Alain – carried 10 yes, 1 abstained

### 6. REVIEW OF SECTION 3 BREAKFAST MEETING – Helen Cerra

Hightower awards nominations being accepted – Sept 1<sup>st</sup> deadline

*Helen reviewed online portal and boot camp. – Offered info to who needs it  
125<sup>th</sup> Anniversary – looking for content for publication*

## 7. SECTION 3 CHAIR REVIEW – *Jay Kohler*

Introduced Craig Messmer as incoming Section 3 Chair

## 8. MEMBERSHIP REPORT – *Bill Pearson*

8.1. Voting Membership - *Bill Pearson welcomed the guest. Reminded that if you want to become provisional member – you can go online to apply. Automatic. Corresponding members are chosen. Voting members are selected based on active participation. We have had 2 resignations. 2 slots now open.*

8.2. TC Leadership – *Chair position is 2 yrs. Needing a vice-chair – expression of interest. New voting members: Henry Becker, Sara Ferrari, Janet Stout, Jeff Ramey, Ken Mortensen, Allyn T.*

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

### 9.1. Relevant Codes and Standards Reports

#### 9.1.1. ASHRAE Guideline 12

Paul L. talked about the progress – over 400 public comments. 100 responses approved this AM. Many being addressed today & tomorrow. 188 going through republication. Should happen this fall – includes code language. Makes it a stronger document that should be easier to adopt by other organization. Ron George mentioned that it was met with resistance at code body.

#### 9.1.2. CTI Guideline 159

Bill Pearson gave update – 159 almost complete -final draft done by July at San Antonio meeting.

#### 9.1.3. ASHRAE Standard 189P

Josh Ince – representing the water treatment perspective to balance water efficiency vs. water treatment challenges. Was well received.

#### 9.1.4. ASHRAE Standard 191P

Allyn T - No quorum – USGBC has pulled their sponsorship – no longer sponsoring the standard

#### 9.1.5. ASHRAE Standard 90.1

Paul L – Committee is working on efficiency tables (including other equipment outside cooling towers. Fast tracked to include dry cooler test code and minimum efficiency.

Discussion on ASME code that could impact the cooling equipment industry – interested parties should reach out to Paul L or Frank M to provide feedback.

#### 9.1.6. CEC Title 24

Frank M – 2019 Standard – Main issue – cooling towers over 300 Tons will need to be over 60 gpm/hp. – 2022 cycle starting soon.

9.2. ASHRAE Legionella Position Document Status (*Patton*)

Michael P. – Michael withdrew from the role

10. HANDBOOK – *Michael Patton*

10.1. Handbook Subcommittee Update

Michael P. – Deadline extended. Call on July 6<sup>th</sup> for sub-committee to resolve. We will get it in before end of July. – Josh and Tom have written a secondary disinfection section.

10.2. Status of the 2018 Edition

11. RESEARCH – *Todd Cornwell*

11.1. Research project update

Update on temperature issues (Scalding vs. Energy Conservation vs. Legionella) – research committee did not see value. Tim Keane was the sponsor from 3.6, he has since resigned from ASHRAE. – Project moved to “parking lot”.

Other topic is research on efficacy of Secondary Disinfection Technology. Based on a study format similar to the NCPD study. Todd and Janet are working on RTAR.

Research to compile compendium of regulatory landscape by state. Jeff and Todd will work on this.

12. PROGRAM – *Jon Cohen*

12.1. Programs at this meeting

Janet & Jon presented – Dan W. chaired - Close to 60 attendees.

12.2. Programs for Upcoming Meetings

Atlanta – 8.6 voted to cosponsor. Jon to chair, Jeff/Ron on potable, Josh on boiler, Henry on towers.

Motion: “TC 3.6 To sponsor the session on common misconception in water treatment”

Michael P., second by Bill P. – unanimous vote.

Jon looking for topics for Kansas City.

13. WEBSITE UPDATE – *Joshua Ince*

Requesting photos from social night

SOCIAL NIGHT REPORT – *Tyler Anderson*

13.1. Appointment of Social Night Chair for Atlanta Meeting

Great event, the committee thanks Tyler Anderson for his effort. 26 attendees.

Arthur Freeman volunteers to organize for Atlanta.

14. OLD BUSINESS – none

15. NEW BUSINESS – none

16. DATE AND LOCATION FOR NEXT MEETING

*Winter Conference – Atlanta, GA USA – January 12-16, 2019*

17. ADJOURNMENT

Adjourn by Chair at 2:26 PM