



American Society of Heating, Refrigerating and Air-conditioning Engineers, Inc.
 1791 Tullie Circle, N.E. - Atlanta, GA 30329 / 404-636-8400

TC/TG/TRG MINUTES COVER SHEET

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

TC/TG/TRG NO 3.6 DATE August 18, 2007

TC/TG/TRG TITLE Water Treatment

DATE OF MEETING June 27, 2007 LOCATION Long Beach, CA

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Barry Fields	2004	Signhild Gehlin	2005	Jon J. Cohen
Paul Lindahl	2005	Dave Geary	2004	Kaye Flamm
Michael Patton	2006	Clive Broadbent	2004	Chuck Sanderson
Bill Pearson	2006	Mark Hodgson	2004	Gloria Sanderson
Pat Graef	2004	Al Spence	2003	Frank Morrison
Dick Miller	2005	Charles Sanderson	2005	Janet Stout
Tim Keane	2006			Philip Yu
Bill McCoy	2004			Leon Shapiro
Michael Adams	2005			Mathew Moore
Sarah Ferarri	2006			John Lane
Ron Wood	2006			Scott Mayes

DISTRIBUTION

<i>All Members of TC/TG/TRG plus the following:</i>	
TAC Section Head: Wayne Reedy	
TAC Chair: Eckhard Groll	
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	
Manager Of Standards: Claire Ramspeck	
Manager Of Research & Technical Services: Mike Vaughn	



Draft
MEETING MINUTES

Technical Committee: TC3.6 - Water Treatment
June 27, 2007 – Long Beach, CA

8/18/2007

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ASHRAE TC3.6 Meeting Minutes: 27-June-07 / Long Beach, CA (1:30-3:00pm, Wed.)

- I. Call to order** – by Chairman Paul Lindahl and determination of a quorum;
- II. Introductions** – of members and guests;
- III. Minutes:** of the last meeting (30-Jan-07/Dallas, TX) were reviewed.
Motion was made to approve the Dallas minutes; Motion was seconded and Passed 10-0-0.
- IV. Chairman's comments, actions and report on TC-Chairs meeting:**
 - a. Noted that ASHRAE has had some system (computer) problems and is asking all members to check and update their Bio information;
 - b. Noted that the theme for the next ASHRAE meeting (winter 2008 in New York) is 'Safe & Healthy Buildings';
 - c. Noted that ASHRAE is continuing to emphasize the need to incorporate 'bells & whistles' into the digital version the Handbook chapters on CD-Plus, that RAC is looking for RTARs that complement ASHRAE's strategic plan and that current funding for ASHRAE research projects is healthy;
 - d. Noted that the new section head for TC3.6 will be Wayne Reedy and the new RAC liaison for TC3.6 will be Piotr Domanski – with Dave Geary and Don Fenton cycling off those positions, respectively.
- V. Purpose & Scope** – Paul Lindahl reread the Scope & Purpose statement for TC3.6 voted on and approved at the last meeting and said it had been approved by TAC.
This technical committee is concerned with water treatment for building water systems (except sewage drainage systems) and the impact of water treatment on building operations and maintenance, water and energy efficiency, human health, and water resource conservation in the application of these systems.
- VI. Membership Report** – In Dave Geary's absence, Chairman Lindahl and Vice Chair Bill Pearson reviewed the current membership roster for TC3.6 and the proposed roster for 2008 that goes into effect after this summer meeting (7/1/2007) – noting the following:



- a. Roster is available on the ASHRAE website as well as on TC3.6's webpage;
- b. TC3.6 currently has 15 regular voting members, 2 international voting members and 7 corresponding members for a total of 24 members;
- c. TC3.6 is scheduled to have 16 regular voting members, 2 international voting members and 14 corresponding members for a total of 32 members in 2008.

VII. Handbook Subcommittee Report – Mike Adams & Bill Pearson

- a. Mike and Bill both reviewed the recent work by them on the TC3.6 handbook chapter reorganization and passed out a summary of the new chapter topics and organization proposed to begin the chapter re-writing process.
- b. It was noted that the new Scope & Purpose of TC3.6 now reads to cover potable water and, thus, needs to be incorporated into the handbook chapter. The Handbook subcommittee will work on this.
- c. It was revisited that there should not be a bias for chemicals only in the handbook chapter on water treatment.

Motion was made to accept the new TC3.6 Handbook Chapter topics outline as presented. Motion was seconded and passed 11-0-0. (Another voting member joined the meeting after the previous motion's vote.)

VIII. Research Subcommittee Report – Sarah Ferrari

- a. Sarah reviewed the research opportunities at ASHRAE noting that there is a low inventory of research projects and a healthy budget for "good" RTARs.
- b. RP1361 (Non-chemical bio-control) update: there are two (2) good bids in for RP1361 – they will be voted on by the PES soon and presented to TC3.6 for a vote via email before the next meeting.
- c. RP1307 (tower fill removal vs. good water treatment for LB control) update: subcommittee feels this project is not relevant enough now, even with WHO's ambiguous stand on fill removal, to pursue re-presenting it as a new research project.
- d. The RTAR for the monochloramine joint project w/CDC has been withdrawn at the request of the CDC as they will be pursuing it with a commercial entity.
- e. An RTAR for the impact of filtration previously turned down by ASHRAE (as not within the scope and purpose of TC3.6) will be redone by Tim Keane per TC3.6's new scope and purpose that includes potable water.
- f. TC3.6 Research LRP (see attachment)

IX. Program Subcommittee Report – Tim Keane

- a. Tim reviewed the programs from the Dallas (last) meeting, noted that there were no programs scheduled for this meeting (Long Beach) and proceeded to report on the subcommittee meeting program plans for the New York (next) meeting.



- b. Suggestion and discussion of a joint seminar w/EHC on SPC188 to be titled similar to “ASHRAE Guideline 12 Becomes a Standard: What It Means to You?” with Mike Patton serving as co-moderator for TC3.6 and Sidney Parsons for EHC.

Motion was made to approve the joint seminar w/EHC as presented by Tim and as a 1st level priority for TC3.6 in New York. Motion was seconded and passed 11-0-0.

- c. Suggestion and discussion that TC3.6 plans a Transaction for the winter 2009 meeting in Chicago on “Field Evaluations of NCDs”.

Motion was made to approve a transaction on NCDs as presented by Tim for the 2009 Chicago meeting. Motion was seconded and passed 11-0-0.

- d. Tim reported that the Forum planned for Long Beach on “Water Reuse Opportunities for Sustainable Buildings” did not make the schedule and is now planned for New York (2008) with Jon Cohen as moderator. In addition Chuck Sanderson proposed a Forum for New York (2008) titled “Practicality of Zero-Blowdown for Cooling System Water Treatment” that he would moderate.

Motion was made to approve a 1st level priority Forum on Water Reuse, as presented by Tim Keane, and a 2nd level priority Forum on Zero-Blowdown, as presented by Chuck Sanderson, for the New York (2008) meetings. Motion was seconded and passed 11-0-0.

X. Webmaster Report – Frank Morrison

- a. Frank discussed the new List-Serve feature of ASHRAE’s website and that of TC3.6’s site.
- b. Noted that he will add the newly approved Scope & Purpose statement for TC3.6 to the website as well as new committee info.

XI. Other

- a. Paul Lindahl thanked everyone for all the support he received during the past two years as Chair of TC3.6. Bill Pearson thanked Paul for his excellent service to both TC3.6 and ASHRAE.
- b. The next committee meeting will be in New York and is expected to be per the regular scheduling of TC3.6 on Tuesday – January 22, 2008.

XII. Adjourn. Motion was made to adjourn the meeting. Motion was seconded and passed 11-0-0.



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Appendix 1. TC3.6 Sponsored events at Long Beach 2007 meeting

▶ **NONE**

ASHRAE TC 3.6**Long Range Research Plan**

SLF 6/27/07

TC Rank	Status	Topic	Comments
1	RP	1361. "Biological Control in Cooling Water Systems using Non-Chemical Water Treatment Devices"	PES is evaluating bids.
0	RTAR	Applications for Monochloramine as Supplemental Treatment within Building Water Systems	WITHDRAWN by B. Fields (Full CDC funding anticipated).
2	RTAR	Impact of Supply Water Filtration on Building Water Systems	In light of TC scope change, TK and SLF to work on resubmission. Expected TC email vote in Aug for Sept 1 submission deadline to RAC.
0	RP / RTAR?	An Evaluation of the Efficacy of Fill Removal, Cleaning, and Disinfection in Controlling Legionella Populations in Cooling Tower Systems	TC determined, after final discussion, that the impetus for this project no longer exists.

Deadlines for RTAR and WS submission are on May 15, Sept 1, Dec 15

Bring your ideas to the table... \$\$ Think Big \$\$... Pro-research environment right now.