

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING
ENGINEERS, INC.**

1791 Tullie Circle, N.E./Atlanta, GA 30329

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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 TC 8.6 DATE Feb , 2006

TC/TG/TRG TITLE Cooling Towers and Evaporative Condensers

DATE OF MEETING January 23, 2006 LOCATION Chicago , Illinois

| MEMBERS PRESENT | YEAR APPTD | MEMBERS ABSENT | YEAR APPTD | EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE |
|----------------------|------------|----------------|------------|--|
| Ron Wood | 2003 | John Parker | 2002 | Guy Perreault |
| Tom Bugler | 2003 | Scott Mayes | 2003 | Henry Hwong |
| Russell Lindemann | 2003 | | | Frank Morrison |
| Dick LeClaire | 2004 | | | Branko Korenic |
| Brian Cooper | 2003 | | | Doug Trotta |
| Michael Patton | 2005 | | | Vladimir Fedkiw |
| Alfredo M. Sotolongo | 2003 | | | John Lane |
| John New | 2004 | | | Jon Edmonds |
| | | | | Leon Shapiro |
| | | | | Mike Beda |
| | | | | Chuck Sanderson |

Others present: Dave Aaron, John Flaherty

DISTRIBUTION

| <i>All Members of TC/TG/TRG plus the following:</i> | |
|--|---|
| TAC Section Head: | Patricia Graef, Janice Peterson |
| TAC Chair: | William Bahnfleth |
| All Committee Liaisons As Shown On TC/TG/TRG Rosters: | Brian Dougherty, Kimball Ferguson, Mark Hydeman, William Klock, Tom Kuehn, Jeff Traylor, Verla Williams |
| Manager Of Standards Manager Of Research & Technical Services | Claire Ramspeck Mike Vaughn |



ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc.

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Minutes of the Chicago, Illinois TC8.6 Cooling Towers and Evaporative Condensers Meeting held on January 23, 2006

Note: These minutes are the official record approved by this committee.

Meeting Location: Palmer House Hilton, room PDR 16, fifth floor

Scope: TC 8.6 is concerned with cooling towers, evaporative liquid coolers and condensers, spray ponds, and other types of contact type liquid to air exchangers and applications to complete refrigeration systems, including water treatment.

Preliminaries [R. Wood]

The meeting was called to order by the Chairman, Ron Wood, at 2:30 PM. Of the 10 voting members, eight (8) were present, constituting a quorum. There were a total of 21 attendees to the meeting.

The Denver meeting was not official because of no quorum.

Motion to approve Denver minutes as written by M. Patton, seconded by A. Sotolongo; passed 8-0-0.

Motion to approve Orlando minutes as changed in the Denver minutes by A. Sotolongo, second T.

Bugler; passed 8-0-0.

Review of Section 8 Breakfast Meeting Items [R. Wood] [6:30 AM Sunday Morning]

Discussion included:

- The need to get rosters in on time was stressed.

- Some changes to the programs such as reducing session times from 2 hrs to 1 ½ hours to get more programs in less time.

- MBO management and calendars.

- Handbook training sessions completed.

- Sustainability issues starting to dominate, with 90.1 as the goal.

- Electronic communications committee looking at alternatives to physical meetings

- Handbook committee is reviewing systems – how to capture new content

New section head, Bryan Becker, stopped in. Not much to report.

ASHRAE Liaison Reports

Ron Bailey (rl8@ashrae.net), Research Liaison: no report

Membership [R. Wood]

Mr. Vladimir Fedkiw (from France) to join as active international member after the summer meeting.

Mr. Bing Chwen Yang (from Taiwan) to join as an international member after the summer meeting.

Mr John Kohen not here maybe cycle on later

John Parker and Ron Wood will cycle off after the summer meeting.

Leon Shapiro and Kay Flamm will be corresponding members.

Dave Geary should be listed as corresponding member (was incorrectly not listed)

P. Lindahl will remain the vice chair.

Motion to nominate T. Bugler as chair after the July meeting, second by M. Patton, passed 8-0-0.

Motion to nominate M. Patton as secretary after the July meeting by J. New, second by A. Sotolongo, passed 8-0-0

P. Lindahl will remain as vice chair as corresponding member.

TC8.6 currently has 10 voting members.

Add Chuck Sanderson as a member.
Is Scott Mayes staying on? Ron Wood to call.

Handbook [Russ Lindemann]

No room was reserved this time so there was no meeting.
For Quebec City, next meeting will be on Sunday.
Dick LeClaire and Jon Edmonds offered to review our handbook section by June 25th
Russ will send out materials up front to solicit suggestions.

Comments about equation 8 in chapter 6 have been forwarded
Guidelines will be issued for the TC's contributions to the ASHRAE Handbook CD Plus
There is a push to get the handbook reviewed and completed.

Standards [B. Shriver]

Status of STD 64-1995 - MOT Remote Mechanical-Draft Evaporative Refrigerant Condensers – was wrapped up last meeting.

Research [J. New]

The research project for fill removal cosponsored with TC 3.6.
The vendor has been picked, but there has been difficulty setting up as the vendor has virtually no direct cooling tower experience. The project is moving but has some hiccups. There is a meeting today, and Paul Lindahl and Dave Geary are attending.

The RTAR that had been set up for magnetic water treatment had been approved and at this point we don't know where that stands. M. Patton is writing the work statement. He will bring it to TC3.6 at Quebec City and move forward as soon as possible. We have one year from now to get this out of committee

Programs [A. Sotolongo]

As discussed in Section 8, there will be shorter sessions, with more sessions scheduled and fewer conflicts.

SPC188 is currently analyzing Guideline 12 and will likely turn it into a Standard. The meeting will be tomorrow at 3:30 p.m.

Water Treatment [Dave Geary]

D. Geary was not present as he was attending the fill removal project meeting.

STD 90.1 [Paul Lindahl] Also Title 24 Issues

P. Lindahl was not present as he was attending the fill removal project meeting.

WEB-Site [Frank Morrison]

The web-site is up to date! There has been some trouble w/ a link on FAQ page, and Frank will check this.

We are encouraged to keep it up to date if there is any info to add in.

The ASHRAE list server is clunky and they are working on it to improve.

Everyone should update your roster info periodically.

Old Business:

Std 180 going anywhere? Don't know.

New Business

Reports from Dave Geary and Paul Lindahl on Water Treatment, STD 90.1 and the meeting for the fill removal project will be requested and forwarded as received.

Handouts were available for the 18th International Compressor Conference at Purdue

Adjourn

The meeting ended at 3:30 PM.

Respectfully submitted,

T. Bugler, TC8.6 Secretary