

Minutes of Chicago, Illinois ASHRAE TC 8.6, Cooling Towers and Evaporative Condensers, Meeting: January 27, 2003

The meeting was called to order by the Chairman Bob Shiver at 2:15 p.m. Six of the nine voting members were present constituting a quorum. One member arrived late. Our one international member was not present. There were 7 corresponding members present and 5 guests, totaling 18 attendees. Self-introductions were made.

Scope: The Chairman read the scope of the committee: "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".

Summer Meeting Minutes: Approval of minutes from Atlantic City

Motion: (Edmonds / Morrison) To accept the minutes. It passed unanimously 5-0.

Information from Chairman's Meeting:

1. A board meeting was held in Honolulu, Hawaii and a motion was put forward to reduce the complimentary copies of Standards and the "name" on Handbooks that are given out. The motion was overturned.
The TC generally feels that this complimentary copies and named Handbooks should be left alone.
2. ASHRAE is providing free space on the website. The TC needs a webmaster. We must use the template that has been created by ASHRAE.
3. The TC needs a liaison for the Learning Institute. Tom Bugler volunteered.
4. ASHRAE journal is looking for good articles.

Comments: (*Stern*) Would like ASHRAE to have seminars published so that the general population of ASHRAE members can take advantage of presentations.

Reports:

Section Head: Stan Westhoff

Would like to see candidates submitted for Technical Achievement Awards. In the past the award was presented at the TC Chair's breakfast. The honor and awards will now be presented during the Plenary session.

Recognize someone for this year, which ends in June. The voting will occur during the tech weekend for the best candidate of the submitted. The criteria are for significant work and would like to recognize that individual for their efforts.

Section 8 has not had any candidates receive this award. Recommendations and write-up must be submitted by fall.

Membership:

Mike Beda informed the TC he would no longer be able to attend the TC meeting due to conflicts of schedule. He requested the TC come up with a new membership chairman. TC looking for volunteers. Questions arose on what the duties might be?

Mr. Shriver's role as Committee Chairman will be ending after the June meeting. The TC needs to nominate a new Chairman.

Motion to nominate Ron Wood as the new TC Chairman. (Edmonds, Lindahl) Motion passed 6-0. Wood will take over the Chair position after the June Meeting.

The TC also will need a new Secretary. Tom Bugler and Paul Lindahl volunteered.

Motion for Tom Bugler to assume the role of TC 8.6 Secretary. (New, Edmonds) Motion passed 6-0.

The TC's current Vice-Chair is Dick LeClaire. He will potentially have a conflict; as his new role at his company might change his availability. The TC will need a new Vice-Chair.

Paul Lindahl volunteered. Motion to vote Paul Lindahl for new Vice-Chair (Edmonds, Morrison). Motion passed 6-0.

The TC needs a liaison for the ASHRAE Learning Institute. Tom Bugler volunteered.

In regards to the roster the TC will have several people rotating off the committee: Shiver, New, A. Sotolongo, Campbell and Delienikos.

The following will rotate on as voting members: Ron Wood, Tom Bugler, Scott Mayes, Brian Cooper and Alfredo M. Sotolongo.

In summary after the June meeting member roles will be:

Chairman: Ron Wood

Vice-Chairman: Paul Lindahl

Secretary: Tom Bugler

Sub-committee:

Research: John New

Handbook: Frank Morrison

International Member: None, (John Campbell's time is up and he will become a corresponding member)

ASHRAE Learning Institute Liaison: Tom Bugler

Please update the personnel information on ASHRAE's database.

Lastly, does the TC need a web-master? Frank Morrison will take a shot at it. Note the TC 8.6 minutes from Atlantic City are posted.

Handbook: *Frank Morrison*

The bad news the TC is behind, many committee's are behind.

Good thing next revision is for 2004. There is a revisors guide.

The President of ASHRAE went thru every chapter of the handbooks and made notes for corrections:

Chapter 35, Condensers; cross reference with Chapter 13 (Condenser Water Systems)

Chapter 36, Cooling Towers; cross reference with Chapter 13, freeze protection, and variable speed controls needs to be addressed.

The deadline for revisions is April 30, 2003. It can be extended until July.

The re-write will be an editorial revision as apposed to a total re-write.

ASHRAE wants to make the handbooks more user friendly. And intends to charge extra for the hard copy versions.

TC 8.6 generally appears to support the hard copy version being kept and not having the C/D being the only source.

Standards: *Bob Shriver*

SPC 64 had its first official meeting yesterday. 4 of the 5 members showed (5th forgot). There are a couple of published review comments. SPC 64 does have a timeline to maintain the ANSI Accreditation the standard must be published by April 14, 2005. The 5-year cycle with 5-year extension creating a 10-year cycle. The SPC did vote to change the title, purpose and scope, to address the standard to be based on a laboratory test.

Motion for the TC 8.6 to support the change in title, purpose and scope of Standard 64. (Edmonds, Lindahl) TC supports the change 6-0.

The next meeting for SPC 64 will be June 27, 2003 at 9:00am in Kansas City. The members of SPC 64 are: Bob Shriver, Paul Lindahl, Jon Edmonds, Allison Andrew and Ron Wood.

FYI: ASHRAE has a website where one can subscribe and get auto-updates of the ASHRAE Standards. The list server will e-mail the update notifications.

Research: *John New*

The TC 8.6 is cosponsoring with the TC 3.6, Dr. Cho's work on magnetics. Dr. Cho's paper is available at the bookstore.

The white rust research and whether we should have a position from ASHRAE was not concluded.

Question for any other research topics: none mentioned.

Tom Kuehn, Research Liasion: Research dollars are tighter than in the past. RTAR's and work statements should go through Kuehn prior to submission to ASHRAE.

Water Treatment: *Paul Lindahl:*

TC 3.6, the white rust research will be discussed again. Could be TC 3.6 may have something useful out of the first research.

RP-954: The main discussion in TC 3.6 research was the report for the level II Legionella research. The direction of the project shifted from the original goal of the research. But, the report has good information in it and needs to get out.

Program: *Alfredo Sotolongo*

February 7, 2003 is the deadline for Kansas City.

Standard 90.1: *Dick LeClaire*

The ongoing challenge is to keep track of all the addenda. The addenda submissions occur all the time.

What is going on right now is the original tier II goal. That was given up on and the new projection is a 19% savings versus the 1989 numbers.

Now the goal is to save 20% additional energy from the 1999 numbers. The mechanical sub-committee is under pressure to come up with energy savings. Also there is a sense of pressure to come up with ideas.

Ideas discussed include: tightening up on reheat requirements, control scenarios on VAV boxes that send the box into reheat all the time, fan power reduction via 2 speed or VFD's (variable frequency drives).

The horsepower requirement is pretty low currently: 7-1/2 hp for cooling tower fans.

In the open session of 90.1. In the 2004 version the committee looking to "up" the efficiency requirements of equipment. TC 8.6 noted that 90.1 has not come to the TC for assistance on any of the energy numbers.

TC 8.6 needs a new Liaison for 90.1, note 90.1 meets a lot.

Morrison, Lindahl, Bugler, New will form a subcommittee to track 90.1. Paul Lindahl will be the official 90.1 Liaison.

LeClaire will clarify the process to get a new liaison appointed for 90.1

GPC-18: *Paul Lindahl*

The committee produced a document. Goal was to address how to get tier II, higher efficiency levels. The committee decides the way to get higher efficiency levels was not by putting higher levels in a table but by a process of designing the whole building.

SSPC 90.1 stated this was not what was asked for from the GPC and they were not able to resolve disagreement with GPC 18. Comments made by 90.1 relative to tier II and GPC 18 did not have the information requested. The President of ASHRAE is supposed to appoint a committee to resolve the issues. This has not happened.

The whole process has upset the Chair of GPC 18 enough that the Chair has resigned from GPC 18 as well as ASHRAE.

Old Business: none discussed

New Business:

Stern: Each of us should note if any published literature is of interest to the TC and might they bring it to the attention of the committee, to provide mutual assistance. Might also be able to post the information on the website.

Stan's request for nominations from members on the TC for the Tech Achievement Award: none mentioned.

Note: the TC is not required to have a membership chairman.

Motion to adjourn - 3:46 PM (Lindahl / Edmonds)

Respectively Submitted

R. Wood

TC 8.6 Secretary

February 27, 2003