

Minutes of Anaheim, California ASHRAE TC 8.6, Cooling Towers and Evaporative Condensers, Meeting: January 26 2004

The meeting was called to order by the Chairman Ron Wood at 2:15 p.m. Eight of ten voting members were present, constituting a quorum. There were a total of nineteen attendees.

Summer Meeting Minutes:

Amendments to minutes from the Kansas City, June 30, 2003, meeting were presented by Frank Morrison; some editorial changes plus substantive changes.

1. Under Standards: added Bob Shriver's description of the original Continuing Maintenance Proposal to remove certification of cooling towers.
2. The letter from the CTI to TC8.6 is attached.

Motion: (Morrison/Lindahl) To accept amended minutes. Passed unanimously 8-0.

Section 8 planning meeting: Report by Ron Wood

1. Program and handbook should be improved and electronic format pushed.
2. Programs from TC's should be related to handbook chapters that they serve. Contacts for international issues will be provided as needed. Handbook push will be major – as it is felt the handbook could be better. In particular, the CD version of the handbook needs to be more user friendly and complete to eventually replace the paper version.
3. There must be more emphasis placed on consistency between committees in a section or between related chapters such as water treatment versus cooling towers/condensers, etc. We must review chapters and identify shortcomings and inconsistencies.
4. ASHRAE is looking to hire temporary college student help with the TC's websites. All TC websites will be on the ASHRAE server with 20 megabytes of space provided for each TC. Each TC website will need to be integrated into the proper template and must follow format. More capacity may be provided if the TC needs more than the allocated 20 megabytes.
5. Work is being done to streamline the rollover roster in the database. Each TC chairman is responsible for the roster to check for errors as can happen with conflicts within the bio info.
6. TC members can create an alias e-mail address within ASHRAE, but it can rollover to the members personal e-mail address.
7. Incorrect emails are an ongoing a problem. Committee members must keep their e-mail addresses up to date in their ASHRAE biographical form and it will trickle down to the committees. Also, we need to remove those who are no longer corresponding members.

Membership:

We currently have 10 voting members.

Jon Edmunds, Paul Lindahl, Frank Morrison, and Charles Sanderson are slated to cycle off after summer meeting.

Dick LeClaire (Marley), Russ Lendemann (BAC), and John New will cycle back on.

John Lane will become a voting member after the summer meeting.

We do not currently have an international member.

Handbook: Frank Morrison

The committee of Bob Shriver, Paul Lindahl, Frank Morrison, and Jon Edwards pulled together the revision for this year. The changes were passed seven to zero and were sent to ASHRAE, returned for proofing and sent back to ASHRAE.

Comments from Prakash Damshala will require some more review and consideration.

ASHRAE is considering putting all four volumes on a single CD. Our chapter of the handbook is in good shape. We should make contact with TC8.5 for consistency. Contact James Bogart, chairman of TC8.5. TC 8.6 and 3.6 handbook chapters should also be reviewed for consistency.

Standards: Ron Wood report for Bob Shriver.

Standard 64 didn't meet at this meeting. Bob Shriver was unable to be here. First public review is approved and forwarded to ASHRAE for second public review. Another meeting may be needed if changes are required. On hold for now.

Research: John New

A project to study LD versus fill removal, cosponsored with TC3.6, is officially approved. This is Project 1307TRP and is ready to go out for bid. It should go out to seven or eight institutions for bid. This project involves both engineering and microbiology, so it is a difficult project. It is important to this committee because of the expected WHO document which will require fill removal.

Programs: Alfredo Sotolongo

Nothing at this time.

Water Treatment: Dave Geary

Scott Mayes is currently acting chairman of 3.6.

Scott: The research subcommittee met Sunday. TC3.6 is presenting a seminar on Wed: "A Practical Approach to Water Conservation". The main TC3.6 meeting is Tuesday at 1:00 p.m. 3.6 is planning a forum for the Orlando meeting, and another at the Nashville meetings. Possible subject/titles "Does Magnetic Water Treatment Control Biological Growth?" and/or "Best Practices for Closed Loops".

ASHRAE 90.1: Paul Lindahl

A Continuous Maintenance Proposal by Robert Miller reinstating requirements for cooling tower certification passed in the Mechanical Subcommittee on Sunday after extensive discussion. It also Passed unanimously at the 90.1 Committee meeting this morning and will go through the public review process before becoming part of the standard.

Ron Wood had sent a letter from TC8.6 supporting certification. A letter from the CTI was also sent. Tom Bugler proposed a modification, part of which was accepted.

SP120, the guide for energy savings for small buildings, seems to have not allowed for evaporative cooling.

Lindahl spoke on the status of “tier 2 energy requirements” in 90.1.

Question by John New: From the summer meeting notes, Title 24 was asked to limit air cooled to 100 tons?

Answer by Paul Lindahl: Title 24, but not 90.1, limits, for total bldg loads of 300 tons or greater, to a max of 100 tons air cooled to cover short term cooling needs.

Discussion: When and where should we push for language like this in 90.1? Lindahl suggests let some time go by to see if Title24 will be challenged in court. Title 24 goes into effect in January 2005. Scott Mayes suggests this as a topic for a forum: “How should 90.1 respond to changes in chiller requirements in California?” Should we respond or stay under the radar? It was agreed that we should monitor the situation, that the likelihood of overturning is slim, but wait and see. Discuss again at the June mtg. then try to get the provisions in 90.1. The related PG&E study will be distributed to the committee by Frank Morrison.

Website: Frank Morrison

The website is now live. Frank passed out paper copies of the website and thanked Bob Shriver, Ron Wood, Jon Edmunds, and Paul Lindahl for the review work done.

The different web pages were explained: TC8.6 Home, Activities, Published Content, Standards and Codes, List Serve, Links, FAQ's, Research, Programs, News, Membership, and Meetings pages.

Round of applause for Frank!

Old business:

Katherine Hammack had requested 7 questions be answered. This has been done and responded to her for the 90.1 Mechanical Subcommittee meeting.

Section 8 head Eckhard Groll addressed the group to encouraged activities.

New business:

Lawrence Spielvogel requested the committee review and support homeland security issues. Discussion followed with nothing at this time suggested for action.

Larry Spielvogel also requested that TC8.6 sponsor a study to measure water consumption examples for publishing in the handbook. Sam Shelton responded that it is not a complex calculation. Discussion followed. This needs to be put in perspective; the balance between system energy usage versus water usage. A suggestion was put forth for a forum to define the question followed by a symposium. A group was formed to do that: Frank Morrison, John Lane, Dick LeClaire, Tom Bugler, and Jon Edmunds.

Tom Bugler did not send a request for clarification to 90.1 since the issue was taken care of in Miller's Proposal for Modification.

Dick Stern requests chapter info on the desirability of strainers and other things like that – and is loaning an Australian manual as reference. It should be looked at three or four years from now for chapter 36.

Dave Geary: Guideline 12 is up for renewal for re-verification and revision. ASHRAE is forming a committee now which needs the right people. ASHRAE has put out a second call for members (no response to first).

Next meeting will be June 28 at 2:15 p.m.

Motion to adjourn at 4:00 p.m. (Mayes/Morrison)

Respectively Submitted

T. Bugler

TC 8.6 Secretary

February 26, 2004