

ASHRAE TECHNICAL COMMITTEE MEETING TC-5.7 EVAPORATIVE COOLING

Date: Monday, June 26, 2017, 4:15 to 6:30 PM

Location: Renaissance Hotel, Long Beach CA. Bixby 3

Chairman: Andy Cochrane, PE

PRELIMINARIES:

The meeting was called to order by Andy at 4:30 PM with self-introductions. An attendance sign-in sheet was circulated and signed by those in attendance. A quorum of Voting Members was in attendance.

The minutes from the Las Vegas ASHRAE TC- 5.7 meeting were read and approved by a unanimous vote of the voting members.

Attendance: SIGN IN SHEET

TC Section 5 Breakfast Meeting Notes:

Liaison Reports:

TC 5.11 Update – seminar proposed for Chicago

- Importance of humidification
 - o Available solutions for adding humidification without condensation
 - o Approval/rejection by September 6th
 - o 4 presenters
 - Dr. Taylor – humidification and health
 - Nicholas Lea – humidity control
 - Raul Simonetti – humidification technologies
 - Tom Weaver – topic TBD
 - o 90 minute seminar total with one spot allocated for 5.7
 - August 8th is the deadline for selecting a presenter

Steve Ferguson – ASHRAE (Manager of codes)

- Outreach and awareness of what other groups in technology are doing
- There are 3 other ways TCs can get involved
 - o Development of ASHRAE standards
 - o Standards by other organizations
 - o International standards (Ex. ISO)
- TCs can propose standard and code changes through ASHRAE
 - o See handout
- Contact is: standards.section@ashraeorg or sreinich@ashrae.org

Programs: Steve Slayzak

Next meeting is in Chicago (January) 2017, Houston 2018

- Houston – Call for papers for research summit track
- Possible RTAR on salt water?
- Co-sponsor operating humidifiers/controlling humidity (INCLUDE ABSTRACT)
 - o Dr. Taylor will be presenting
 - o Still room for one presenter for 5.7
 - Maybe discuss maintaining hygiene in sumps
- Chicago
 - o Possible seminar tracks – Need to submit as soon as possible
 - Track 5 - Indoor air quality in transportation facilities
 - Track 8 - New types of heat exchangers
 - Preventing mold growth, managing condensation, frosting
 - Track 2 – Fundamentals
 - o Deadline is Aug. 1st
 - Abstracts for track 5 and 8 to be sent out to committee
 - Send proposals to Steve

Websites: Annette Dwyer

- Website update to date
- Minutes from LV and Long Beach Agenda are online
- Website
 - o URL: <http://tc0507.ashraetcs.org/>

Research: Mark Miller was not in attendance

- Possible RTARs
 - o Design guide for evaporative cooling
 - Funding exists for possible outsourcing of development of design guides
 - o Using salt water for evaporative cooling
 - Possibly look at cycles of concentration and discharge limits
- TC 5.7 proposed follow up RTAR to research project 1630
 - o RTAR for direct intervention study
 - Expand on Mayo clinic study (paper not published yet) on effects of humidity in preschool (children aged 3-5)
 - RTAR to include Old age home and university graduate office
 - Compare effects of humidity compared to non-humidified in various ages
 - o Looking for additional TCs to be involved
 - 5.11, 5.7, 9.6
 - o 5.11 will put together an RTAR to review with other TCs
 - Reach out to Nicholas Lea or Sukru Erisgen if interested

Membership: Mike Scofield was not in attendance

Handbook: G. D. Mathur

- Need to review chapter 52

- Emailed to committee voting members (corresponding members can also participate in review)
 - Feedback needed in ~1 months
 - All voting members need to review
- Deadline is April 18th 2018
- Need to review Chapter 41 (to be discussed at next meeting)

Standards: Mark Modera Chair was not in attendance

- Standard 212P committee will meet tomorrow to review comments
- TC5.11
 - New standard proposed 164.4 method of test for adiabatic evaporative humidification systems being developed now

Old Business/New Business:

- N/A

Next Meeting:

- Monday 4:15-6:30, Chicago IL

Adjournment:

- After a call for any New Business by Andy, the meeting was adjourned at 5:38 PM