



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes
Meeting Minutes
Summer Conference Meeting
Seattle, Washington 2014

Date: Tuesday – July 1, 2014

Place: Washington State Convention Center Room 612 (6th Floor)

Time: TC 8.10 Subcommittee Committee Meeting – 1:00 PM to 3:30 PM

Note: Per our last committee meeting that there was a suggestion to extend the sub-committee meeting and adjourn the main committee meeting when business is complete (potentially earlier). This was due to the fact that much of the discussion takes place at our sub-committee meetings and the main committee meeting is used primarily for brief review and final voting. The sub-committee meeting has been adjusted to start at 1:00 PM rather than our previously typical 2 PM start.

(The full committee meets from 3:30 PM to 6:00 PM in the same room.)

Note: Since this is a relatively small TC, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.

Sub-committees

1. Call to order & Introductions: – Chair, Craig Burg

- Chairman Craig Burg called the meeting to order at 1:06 PM.
- Everyone introduced themselves.
- Nine (9) people were in attendance with seven (7) voting members.
 - Attendees: See attached.

2. Request for Any Additions to Subcommittee Agenda

- No Requests for changes

3. Research: - Subcommittee Chair, Julie Ferguson

- Subcommittee Chair, Julie Ferguson (was not present so Chair said he'd follow-up)
- RTAR - 1566 - "Equations to Estimate Evaporation Rates From Wetted Surfaces" (Harry Milliken)
 - This RTAR will expire.
 - Harry Milliken summarized some items and the group still needs to review and answer the 6 or so questions back from RAC, etc. We hope to move forward in 6 months at Chicago.
- RTAR - "Develop a method to determine residential whole home dehumidification capacity requirements." (John Bloemer)



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes

Meeting Minutes

Summer Conference Meeting

Seattle, Washington 2014

- John Bloemer summarized status of this RTAR. We are resubmitting and a new lead will chair – Sam Glass – with UW. Discussions are on-going about co-sponsors and perhaps co-funders – i.e. DOE, etc.
- TC Co-Sponsors:
 - TC 1.12 wants to co-sponsor
 - Our TC 8.10 will co-sponsor. (Will vote at main Committee)
- 1712-RP (formerly 1565-RP): Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems Design Guide (John Murphy).
 - The PMS and cognizant TC 8.10 unanimously voted to terminate the contract with the previous contractor in May 2013.
 - There were 6 proposals and one new contractor was selected and is on board and plan to finish by November 2016. Name of the contractor is the Sustainable Engineering Group.
 - Discussed that the Chair needs to send the TC a new roster of committee.
 - TC Co-Sponsors 1.12, 5.5, 8.12
- Discussed new possible research projects:
 - Indoor pool ventilation. Discussed about where to go with this since there is some new CDC work for “codes” related to indoor pool design and ventilation air. Now the CDC is deferring to Standard 62.1 for assistance. Referred as Model Aquatic Health Code.
 - One suggestion was for our TC make a list of possible items and provide to Standard 62.1, and see if we can do something with them.
 - Or, we considered starting a purpose for a new design guide for design engineers on indoor pools, and use the CDC for a possible co-sponsor. Small group will begin writing up a new RTAR.

4. Handbook: - Subcommittee Chair, Ralph Kittler

- Subcommittee Chair, Ralph Kittler discussed the Chapter items.
 - DOAS Chapter and it is still a research project and will not make it into the Handbook. The research ends in 2016 and will be past our deadline.
 - Our regular chapter is going to make it. Ralph mentioned that he has updated it from our TC notes, discussions and dialogue, however, has not received any feedback from anyone as yet about the changes. It needs to be voted on in about a year, due in June of 2015. Ralph will send out for comments with intention to vote in Chicago.
 - Mentioned that TC 9.8 is looking for help to review their new Chapters.

5. Programs: - Subcommittee Chair, Tim Sechrist



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes
Meeting Minutes
Summer Conference Meeting
Seattle, Washington 2014

- Subcommittee Chair, Tim Sechrist began the discussion on our proposed program ideas for future meetings.
 - Discussed possible seminars / workshops:
 - TC 9.8 (Large Buildings) wants to have a workshop about what the Engineer needs or should have on plans and specifications and schedules. Discussed having 3 speakers; an Engineer, Manufacturer, and Contractor. Harry volunteered to speak as manufacturer.
 - Seminar on still want something on SPC 198, and AHRI Standard 920 – DOAS, then something for operating experience on DOAS. Perhaps a seminar “How to ensure the best value for DOAS?”
 1. One speaker on SPC 198 and Standard 920; one speaker on variable compressors, and one speaker on types of equipment (i.e. heat pumps on airside) for DOAS.
 - Need something on SPC 190 and AHRI Standard 910 – Indoor Pool Dehumidification.
 - Discussed AHRI Standard 910 with SPC 190 along with building pressurization on natatoriums. Ralph Kittler will reach out to some possible speakers.
 - All need to be submitted by August 17th for Chicago.

6. Standards: - Subcommittee Chair, Craig Burg

- AHRI engineering committee met with Standard 90.1 and discussed getting some minimum efficiencies related to the ASHRAE Standards 190 and 198 as they relate to AHRI Standards 910 and 920.
- Related discussion on definition of MRE. MRE for pool dehumidification is great. But in regards to Standard 920, it needs to be modified. MRE is not really correct for DOAS.

7. Request for additions to the main committee meeting agenda

- No requests for additions to the agenda until main meeting.

8. Adjourned: Randy moved to adjourn at 3:20 PM.



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes
Meeting Minutes
Summer Conference Meeting
Seattle, Washington 2014

Date: Tuesday – July 1, 2014

Place: Washington State Convention Center Room 612 (6th Floor))

Time: TC 8.10 General Committee Meeting – 3:30 PM to 6:00 PM

Note: Since this is a relatively small TC, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.

General Meeting

1. Call to order & Member Introductions: - Chair, Craig Burg

- Chairman Craig Burg called the meeting to order at 3:33 PM.
- Introduction of members and guests

2. Determination of Quorum: - Chair, Craig Burg

- Roll Call was completed, with thirteen (13) people in attendance of which there were eight (8) voting members so a quorum was present. Julie Ferguson was not present.
 - Attendees: See attached.

3. Membership / Roster

- Discussion about fact our Roster needs to be changed and updated for a Secretary.
 - Craig Burg indicated he would volunteer as Secretary.

4. Request for approval to New York Minutes: - Secretary, Randy Schrecengost

- One change was illustrated that the date was not updated and needs to be changed to reflect the correct date.
- Member table indicating Present / Absent needs to be updated to add Harry Milliken who was present.
- With the changes above, acceptance of meeting minutes as modified, was moved by John Bloemer and seconded by Titu Doctor (passed 8-0-0-CV). Ms. Ferguson did not vote on this item.

5. Request for any Additions to the Agenda:

- There were no other additions or changes to the agenda requested

6. Section 8 Chair Meeting Report: - Chair, Craig Burg and Vice-Chair, Ralph Kittler

- Outstanding TC award was communicated to the group.
- ASHRAE is asking everyone to go in update Bio.



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes
Meeting Minutes
Summer Conference Meeting
Seattle, Washington 2014

- Thank you letters to employers coming out soon.
- Opportunity for teleconference calls and web-conferences should be considered.
- Chicago seminar / workshop list are due August 11, 2014. Rejections by September 8.

7. Liaison Reports

Section Head	Steve Duda
TAC Chair	Walter T Grondzik
Handbook	Paul A Lindahl, Jr
Research	David Yanshar
Standards	James Aswegan

Note: As the Liaisons might not be available at the beginning of the meeting as a courtesy we will provide them the opportunity to address as they enter following the item on the agenda

- TAC - Steve Duda (Head for Section 8)
 - Feel free to contact with any questions or comments - email sh8@ashrae.net
 - Presentation to Craig Burg for Recognition for Service-Certification of Appreciation.
 - Discussed Roster change modifications being worked on.

8. Subcommittee Reports

Program	Tim Sechrist
Handbook	Ralph Kittler
Research	Julie Ferguson
Standards	Craig Burg
Webmaster	John Murphy

- **Research Subcommittee Report (Craig Burg, Julie Ferguson)**
 - Subcommittee Chair, Julie Ferguson (was not present so Chair said he'd follow-up)
 - RTAR 1566 was not yet completed and will expire this July. Craig and Harry will work on another work statement.
 - RTAR - "Develop a method to determine residential whole home dehumidification capacity requirements." (John Bloemer). John summarized status of this RTAR and that we are resubmitting and will have a new lead chair – Sam Glass – with UW. Discussed research for latent loads for residential structures. Looking for co-sponsors and perhaps co-funders – i.e. DOE, etc. He indicated we would get it out to all the Committee members. This committee voted to co-sponsor the work statement. John moved and Ralph seconded and it passed 8-0-0-CV.



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes

Meeting Minutes

Summer Conference Meeting

Seattle, Washington 2014

- 1712-RP (formerly 1565-RP): Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems Design Guide (John Murphy) is moving forward. A new contractor has been selected and approved. Expected completion date is 2016.
- Reviewed and discussed an option to do something on indoor pool ventilation. Ralph will write up the RTAR and send it out for review.
- **Program Subcommittee Report (Tim Sechrist)**
 - Discussed the fact we had a Natatorium seminar for Chicago, but may not happen due to a main speaker being replaced. If not here, then in Atlanta for sure.
 - Discussed a seminar for Chicago on DOAS. Perhaps a seminar “How to ensure the best value for DOAS?”
 - One speaker on SPC 198 and Standard 920; one speaker on variable compressors, and one speaker on types of equipment (i.e. heat pumps on airside) for DOAS.
 - May need something on MRE, etc. But we may need to wait on AHRI review. Talked about the type of metric.
 - Tim Sechrist moved and Randy Schrecengost seconded and it passed 8-0-0-CV
 - Additional information presented by Harry Milliken regarding TC 9.8 (Large Buildings) who wants to have a workshop about what the Engineer needs or should have on plans and specifications and schedules.
- **Handbook Subcommittee Report (Ralph Kittler)**
 - Ralph to recirculate a word document for the committee to review regarding the current Chapter status and format. It will include some additional review comments.
 - Goal is to vote on it in Chicago.
 - Additional item is to create a web-based version.
 - Handbook wants us to complete a Chapter on DOAS from our research project.
 - We are working with TC 9.8 on a Natatorium Chapter. Need further effort and coordination to complete this, but it is not approved yet and it is hoped to be approved by Chicago.
- **Standards Subcommittee Report (Craig Burg)**
 - AHRI engineering committee met with Standard 90.1 and discussed getting some minimum efficiencies related to the ASHRAE Standards 190 and 198 as they relate to AHRI Standards 910 and 920. Items will go into 2016 copies of the Standards and apply to DX / DOAS.
 - Discussion around an integrated value related to definition of MRE.
 - AHRI Engineering is looking into a Standard for Heat Pipes, which may direct our committee to do a MOT for that.
- **Website (Craig Burg, John Murphy)**
 - Webmaster John Murphy was not present.
 - ASHRAE gave us a pat on the back for keeping our website updated.
 - Approved meeting minutes will be uploaded soon. Otherwise the site is updated.



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes
Meeting Minutes
Summer Conference Meeting
Seattle, Washington 2014

- The address for the TC web site is <http://tc810.ashraetcs.org>

9. Other Business

- Discussion on Energy Conservation program on “Test Procedures for Dehumidifiers as a proposed rule from DOE.
- Update on AHRI Dehumidifier Engineering committee liaisons discussion with ASHRAE 90.1 and proposals for energy efficiency.
- ASHRAE has awarded a Graduate Student Grant to Mohammad Rafatinasar of the University of Saskatchewan for his work on “Frosting in Membrane Energy Exchangers.” This TC may be asked to sponsor a technical paper presentation in the future.
- Update on Model Aquatic Health Code by the CDC. They are working with ASHRAE Standard 62.1.

10. Installation of New Chair and TC Management Team

- New Chair, Vice Chair and Secretary coming into the TC.

11. Motion to adjourn:

- Adjourned: Randy moved to adjourn at 3:20 PM.