



Shaping Tomorrow's
Built Environment Today

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ASHRAE Chair TC 8.6

TC 8.6 Standards Committee Meeting Minutes

Date/Time: ASHRAE TC 8.6 Meeting, Monday, January 30th, 2016, 2:15-4:15 PM
Subcommittee(s) Monday, January 30th, 2016, 9:00-10:00AM
SPC 64 Monday, January 30th, 2016, 9:00-10:00AM

Room: Caesars Palace, Trevi

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.

- 1. Call to Order 2:15 pm by vice-chair Allyn Troisi.**
- 2. Roll call and introductions indicated 7 of 9 voting members present, attaining a quorum.**
- 3. APPROVAL OF MINUTES (*Winter Meeting St. Louis, MO 2016*)**

- 3.1. Motion to approve minutes by Pul Lindahl second by John New
3.1.1. Minutes approved 6-0-0

4. REVIEW OF SECTION 8 BREAKFAST [Troisi]

- 4.1. Paul Lindahl received the Hightower Award.
- 4.2. There is a new technology portal to access old versions of the ASHRAE Journal.
- 4.3. ASHRAE Publications is searching for article submissions.
- 4.4. A slowdown in handbook revisions has been noted.
- 4.5. The Advanced Energy Design Guide for Schools is in review.
- 4.6. There is a new updated TC website format. Comments are welcome.
- 4.7. ASHRAE is working on a new roster system to improve membership tracking.
- 4.8. Remote participation meetings are being encouraged to save room space.
- 4.9. The roster has been updated for next year 2017-2018. There will be 9 voting members for next year.
- 4.10. 90.1 is pushing out into existing residential buildings.
- 4.11. ASHRAE is encouraging conference papers.
- 4.12. Encouraging use of TC timeslot for programs to have more programs.
- 4.13. Conference Paper Abstracts due March 1.
- 4.14. ASHRAE celebrates 125 years in 2019. Call for historical papers and articles.

5. ASHRAE Liaison Reports [Kline]

- 5.1. Dustin Meredith, our section 8 liaison stopped by to observe the meeting.

6. Membership [Kline]:

- 6.1. Steve asked for changes to the roster. We could remove some members that are no longer interested. Allyn will help contact inactive members. Frank Morrison will roll on while Steve Kline rolls off as a voting members. Nick Hesser will be added as a corresponding member.

7. Handbook [Hesser]

- 7.1. Nick Hesser will be our new handbook chair. He will attend the Handbook Training in the summer. The new handbook cycle started this summer. The last major changes were made in 2012. We will look at adding new hybrid designs to the handbook and ensure that STD 188 is referenced. Steve will ask for volunteers via email.

8. Standards [Vadder]

- 8.1. Joe Vadder reported on the status of SPC 64. Work on the standard will be delayed until the public review of STD 20, the air cooled equivalent standard to STD 64. The SPC will work to harmonize STD 64 to STD 20. Gordon Struder will serve as the SPC 64 liaison to SPC 20. The next meeting will be at 10am on June 26th in Long Beach.

9. Research [Vadder]

- 9.1. Joe Vadder attended the research breakfast this morning.
- 9.2. We have a new section 8 research liaison, Curt Eichelberger.
- 9.3. TC 8.6 has no active research projects.
- 9.4. Potential cosponsor project with TC 3.6 about biofilm (which is an RTAR) and potable hot water. Joe Vadder will talk to Todd Cornwell about cooperation with 3.6.

- 9.5. Paul Lindahl suggested an RTAR about the effect of drying on Legionella, and how long it can survive for long distances in the air as the discharge is diffused.

10. Programs [Cohen]

- 10.1. There was no report from Jon.
- 10.2. Frank mentioned a program at this conference about air cooled versus water cooled equipment and encouraged members to view it. There are CTI educational sessions at AHR that might be of interest.
- 10.3. Allyn mentioned Chicago tracks that may be of interest.
- 10.4. Paul suggested a seminar on Legionella outbreaks due to potable water. Joe will speak with Sarah Ferrari about a recent paper she presented.

11. TC 3.6 Water Treatment [Cohen]

- 11.1 There was no report.

12. TC 2.8 Building Environmental Impacts and Sustainability [no liaison]

- 12.1. There was no report.

13. STD 189.1 [Cline]

- 13.1. Daryn reported working with TC 3.6. There is a meeting on Wednesday about changing materials of construction of cooling towers to achieve better water savings. Prescriptive sections were removed from proposed Addendum S, and will probably be approved in the next code cycle.

14. STD 90.1 [Lindahl]

- 14.1. Joe Vadder's CMP for excepting positive closure dampers on coil sheds passed with continuation ballot.
- 14.2. Steve Taylor has proposed that when a system uses a water side economizer, the efficiency of the cooling tower should be increased by 30% (axial). It would also increase efficiency of forced draft units to that of axial fans when used as a water side economizer.
- 14.3. The chiller plant working group continues to wait for cooling tower cost data so the model can be run. The model also needs to be evaluated. Evaluated cities are representative for weather, but are not representative for water and sewage cost.

15. Title 24 [Lindahl]

- 15.1. The Title 24 stakeholder meetings have started for the 2019 standard. Paul suggested registering with CEC as a stakeholder to be notified of changes.

16. STD 191 Building Water Efficiency[Cline]

- 16.1. Daryn reported that the standard is focusing on the cooling tower, and the need to retain irrigation and other equipment in the standard.
- 16.2. Steve, Daryn, and Frank will devise a response to STD 191.

17. WEB-Site [Kline]

- 17.1. Steve reported that the website is up to date.

18. Old Business:

- 18.1. None.

19. New Business:

- 19.1. Paul will distribute SPC 205 formats for product performance data. Gary Harbison will attend the SPC 205 working group meeting and report back.

1. Adjourn

- 1.1. Meeting adjourned at 5:08 pm.
- 1.2. Next meeting: June 26th, 2017 in Long Beach, CA. USA.