

ASHRAE Technical Committee 6.10

MINUTES June 28, 2016

1. Call to Order

Chair Tom Neill called the meeting to order on June 28, 2016, at approximately 3:30 pm. Participants were as follows:

Voting Members Present

Tom Neill, Chair
Larry Brand
Tom Butcher
Mehdi M Doura
Craig Grider
Diane Jakobs
William Roy
Aykut Yilmaz

Voting Members Not Present

Jennifer Guerrero-Ferreira
Shamel Kassab
George M. Kusterer

Others Present

Michael Beisheim
Bobby Gunter
Tim McNulty
Anuj Mistry
Harvey Sachs
Steve Sill
Cory Weiss

2. Introduction of Attendees

Members and guests introduced themselves.

3. Sign-in and Quorum Determination

Attendees were requested to sign in (attached). The quorum requirement was met with 8 of 11 voting members in attendance.

4. Review and approval of the St. Louis Agenda

Chair Tom Neill reviewed the Agenda and noted some editorial corrections to some of the meeting locations.

5. Review and approval of the Orlando Minutes

Upon a motion by Tom Butcher, duly seconded by Larry Brand, the committee voted to approve the Orlando minutes as distributed.

MOTION PASSED. 8-0-0.

6. Liaison Reports

A. Research (Harvey Sachs)

Harvey Sachs noted in his report that the committee has no proposed or active research projects at this time. He suggested that the committee review the ASHRAE Research Strategic Plan 2010-2015 (current through 2018) if it is interested in future research. He also noted that Research Administration Committee (RAC) will place more importance on having timetables and deliverables for work statements, and there is interest in having collaboration between technical committees, to include broad representation on the project management subcommittee. He noted that RAC has authority to spend up to \$200,000 on a research project. Any amounts above that and up to \$500,000 requires approval by the Technology Council, and any project exceeding that amount requires approval from the ASHRAE Board of Directors.

7. Handbook

Mehdi Doura reported that the committee submitted Chapter 28 in April, which was approved and will be printed in the 2017 edition. The next handbook revisions are due for the 2020 and 2021 handbook editions. He also reported ASHRAE is introducing a new collaborative development system for handbook chapters that will allow for simultaneous editing.

The chairman reported that he received an email from an engineer requesting clarification on how fuel sulfur content impacts dew point, as the engineer stated he had more recent data that suggested different answers from what is currently in the handbook. There was some confusion about whether the engineer was referring to the dew point for water or sulfuric acid. The committee agreed to:

ACTION: Tom Neill to send the note to Tom Butcher with the referenced paper, and Butcher to respond to the query.

A member noted that a citation for dew points should be added to the figure in Chapter 28.

ACTION: Tom Neill to find the citation and work with Mehdi Doura to add the reference.

8. Research

Bill Roy reported that he has drafted a Research Topic Acceptance Request (RTAR) on combustion ventilation for water heaters. After discussion on the topic, he agreed to send the RTAR to Troy Trant, Frank Myers, and Tom Butcher for initial review and then to distribute to the TC for review. Chair Neill agreed to correspond with TC 6.6 to have them review and debate it for possible co-sponsorship and will circulate the RTAR to the TC for approval via letter ballot.

The committee discussed possible ideas for new research. After discussion, the committee agreed to hold two ideas for research, on low-swirl burners and on portable flue gas analyzers, until a program could be held to develop further input on research needs on those topics. The committee also discussed possible research to develop guidelines on wood pellet storage, and it was noted that some testing has already been conducted on the topic.

ACTION: Tom Butcher to follow up with Ben Bell-Walker on existing pellet research.

Tom Butcher also agreed to:

ACTION: Tom Butcher to determine NYSERDA's interest in co-sponsoring research on either field measurements of pellet storage issues or developing a storage design guideline. He will then discuss with the chair any actions before the next meeting.

Aykut Yilmaz noted that the oil heat industry has been studying certain issues with the increasing prevalence of biodiesel blends. After discussion, the committee requested:

ACTION: Aykut Yilmaz and Tom Butcher to discuss and potentially develop an RTAR on biodiesel research topics.

A guest suggested validating the venting equations, Equations 7 and 8, in Chapter 35.

ACTION: Tom Butcher to review the equations by the next meeting and provide recommendations on next steps.

A guest suggested research on the common venting of positive pressure appliances, noting that the Air-conditioning, Heating, and Refrigeration Institute is also pursuing similar research. It was noted that there were also issues involving the duct design and loss factors for boot-tee fittings, and it was suggested that TC 5.2 might be approached for interest in the research, as it is continuously adding to its database on ducting loss factors.

9. Web Site

Chair Neill reported that the minutes and membership was up to date, but some members noted that the minutes since January 2014 have not been posted.

The committee discussed possible new content for the website. It was noted that a past suggestion to add videos from the combustion-driven acoustic oscillation research was dropped because a manufacturer had rejected posting a video feature its boiler. A member suggested working with the American Society of Gas Engineers to cross-promote each other's activities and organizations.

10. Programs

Tom Butcher reported that the program proposed by the committee for St. Louis was not approved.

The committee discussed ideas for future programs, including:

- A program for Long Beach, CA, on a track that includes information on either emissions (e.g. low-NOx technology) or renewable fuels. Jennifer Guerrero-Ferreira was suggested as a lead for this.
- A program for Las Vegas, NV, on the proper common venting of condensing appliances. After discussion, it was agreed to make this session an informal part of the next meeting and to make announcements for the session at other relevant technical committees.

ACTION: Tom Butcher to liaise TC 6.1 and 6.3 chairs to announce this session.

ACTION: Michael Beisheim and Tim McNulty to send Tom Butcher an abstract in the next two weeks.

11. Standards

Diane Jakobs reported on the progress of several ASHRAE test methods activities, including:

- Standard 103 has been approved for publication.
- Standard 155P has been approved for Advisory Public Review.
- Revisions to Standard 118.1 are being completed prior to a Publication Public Review.
- Public Review for Standard 118.2 has been completed and the SPC is reviewing comments.
- Revisions to Standard 124 are ongoing.
- Standard 204P will be considered for a Publication Public Review shortly.

12. Membership

Chair Tom Neill reviewed the membership roster.

13. Old Business

No old business was discussed.

15. New Business

There was no new business.

16. Next Meeting

The next meeting will be held at the ASHRAE 2017 Winter Conference, January 28 – February 1, 2017, in Las Vegas, NV.

17. Adjournment

The meeting was adjourned at approximately 6:00 p.m.

Respectfully Submitted,

Aykut Yilmaz
Secretary