

TC 6.9 Standards Subcommittee Meeting
Monday, June 22th, 2018
2:15 PM-Chicago, Illinois
Palmer House Hilton, Empire Room, Lobby Level

Meeting Minutes

1. Meeting called to order at 2:15 PM.
2. An attendance sheet was distributed. Attendees included:
 - a. Ken Fulk-T.C. 6.9 Standards Subcommittee Chair; T.C. 6.9 Voting Member
 - b. Brian Silvetti-T.C. 6.9 Voting Member
 - c. Chris Mincey-T.C. 6.9 Voting Member
 - d. John Lau-T.C. 6.9 Voting Member
 - e. Geoff Bares-T.C. 6.9 Voting Member
 - f. John Nix-T.C. 6.9 Non-Voting Member
 - g. Scott Shaffer-T.C. 6.9 Non-Voting Member
 - h. Mike Filler-T.C. 6.9 Non-Voting Member (Left Early)
 - i. Farzin Rad-T.C. 6.9 Non-Voting Member
 - j. Guy Frankenfield-T.C. 6.9 Voting Member
 - k. Henry Becker-T.C. 6.9 Non-Voting Member
 - l. Daniel Pyewell-T.C. 6.9 Non-Voting Member
 - m. Richard Brooks-T.C. 6.9 Non-Voting Member
 - n. Brandon Gross- Visitor
 - o. Mike Kazmierczak-T.C. 6.9 Corresponding Member
 - p. Jasim Mahdi-Visitor
 - q. Mr. Rich Swierczyna, SPCL (Left Early)
3. SPC 150 did not meet during the ASHRAE Meeting here in Chicago.
4. Mr. Rich Swierczyna, the SPCL attended the meeting for a few minutes and surprised the group with news that the Standards Committee was planning to vote to discontinue Standard 150 due to no activity since about 2004. The subcommittee reminded Rich that James Early, last year's SPLC, has been in the communication loop in regard to the work plan to update the Standard, which is near completion and to be submitted to ASHRAE for Public Review in the next month, approximately. The committee reminded Rich that the Standard was last reaffirmed in 2014 which Rich was not aware of.

5. Current T.C. 6.9 Standards were discussed:

- a. Standard 94.2-2010, Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance: This standard was withdrawn at least three (3) T.C. meetings ago but ASHRAE continues to maintain that they have no record of this action so it remains active. Mike Filler is aware of this and is committed to completing the related documentation to make this happen. Mike needs to fill out a specific form that ASHRAE requires to be filled out to complete this task. A copy of this form was sent to Mike last fall.
- b. ANSI/ASHRAE Standard 150-2000 (RA 2014) – Method of Testing the Performance of Cool Storage Systems:
 - i. Reaffirmed as is in 2014 but still intended to be updated.
 - ii. Updates were planned to be completed by the fall of 2017 but is still not complete.
 - iii. All text revisions were incorporated into a final draft and sent out for review by the SPC. No comments were received by SPC members so this portion of the standard is complete. The only remaining task was to make final revisions to four (4) flow diagrams relating to ice storage systems.
 - iv. The current game plan is to review the diagrams here in Chicago, get final comments collected and to make these changes and add to the standard before the end of January.
 - v. A Go-to-Meeting of the SPC will be scheduled no later than February 15th whereby the standard will be voted on after which this will be submitted to the full Technical Committee for their vote.
 - vi. Following approval of the draft standard by the SPC and TC the standard will be submitted to ASHRAE for review and subsequent distribution for a Public Review. This review will be approximately 30 or 45 days per what ASHRAE determines. Following the review period the SPC will need to resolve any review comments received.
 - vii. Following these actions the standard will be submitted through Standards Committee, Technology Council and the ASHRAE Board of Directors for approval. This is expected to be completed no later than the summer of 2018.

6. Other Standards of Interest to T.C. 6.9 (not discussed):

- a. ANSI/AHRI 900 (I-P)-2014, Performance Rating of Thermal Storage Equipment Used for Cooling (Essentially Replaces the Standard 94 series which have been withdrawn). This standard essentially replaces the ASHRAE 94 series standards, is current and used by the industry.
- b. Proposed ASME (American Society of Mechanical Engineers) TES-2-200X, Safety Standard for Thermal Energy Storage (TES) System Requirements **for Solid State** and Other TES Systems is being monitored. Currently it is not believed that there is any work being planned that would related to our T.C. but if such is

discovered then this would be brought back to the T.C to seek out feedback on how to address.

7. New Standards or Guidelines to be considered-It was reported that upon completion of SPC 150 that a new guideline will be started to allow for testing to occur under more realistic test conditions, which the standard precludes.
8. Other Business-No new business was raised.
9. The meeting was adjourned at 2:35 PM.

Minutes recorded by:

Kenneth M. Fulk, P.E.
Standards Subcommittee Chair