



1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400

Technical Committee (TC) MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC No. ASHRAE TC 01.08

DATE: 4 February 2021

TC TITLE: MECHANICAL SYSTEMS INSULATION

DATE/Time of MEETING: 25 January 2021 @ 9am EST

LOCATION: VIRTUAL MEETING

Voting MEMBERS PRESENT	Vote/ YEAR APPTD	Voting/ MEMBERS ABSENT	Vote/ YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Monroe Shumate	Yes/2017	Andre Desjarlais	Yes/2020	Louie Walton
Diana Fisler	Yes/2017			Charlie Haack
Charles Petty	Yes/2017			Alec Cusick
Gordon Hart	Yes/2018			Darryl Peil
Manfred Kehrer	Yes/2018			Natalia Maximova
Steve Sanders	Yes/2019			Carston Rode
Bill Ronca	Yes/2019			Heather Sharif – Secretary
Art Geisler	Yes/2020			Shayne Spence
Kartik Patel	Yes/2020			
Pat Noonan	Yes/2020			
Jim Young	Yes/2020			
Alan Neely	Yes/2020			
Willis “Bill” Brayman	Yes/2020	Non-Quorum		

Chair called the TC to order at 9:01 AM EST. The Agenda was projected and emailed.

Members & Guests: Attendee information was taken from the ZOOM meeting login information.

ASHRAE Code of Ethics Commitment: – TC Chair – Monroe Shumate

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)

Membership:

There was a total of 13 voting members present during the meeting (12 quorum and 1 non-quorum). A quorum was achieved. There were 8 non-voting members present for all or part of this meeting.

Approval of Agenda:

Agenda for this meeting was approved by a vote of 13/0/0.

Minutes:

Minutes from the virtual meeting were briefly discussed. Motion was made by Diana Fisler and seconded by Gordon Hart. Motion passed 12/0/0.

TC Membership (Monroe Shumate)

- Voting Members rolling off June 30, 2021: Gordon Hart, Diana Fisler, Manfred Kehrer, Charlie Petty. Please contact the Chair if you would like to become a voting member.
- TC Chair *selected* (1) Provisional Corresponding Member for approval as **Corresponding Member** (CM) beginning June 30, 2021: Natalia Maximova
- TC Chair *selected* (1) guest for approval as a **Provisional Corresponding Member** (PCM) Carston Rode..

Liaison Reports:

No Liaison Report was provided.

Research Subcommittee (Gordon Hart - Chair):

We first discussed 1703-TRP - Performance of Vapor Retarder Systems Used on Mechanical Insulation, which has been fully approved by RAC and awarded by ASHRAE to R&D Services, as recommended by the TC 1.08 PES. While originally this research project was supposed to have started in September 2020, the start date has been delayed till the year 2022 due to a research funding shortfall, caused by Covid-19 (which, in turn, has led to a cancelation of the 2021 AHR Expo, which was predicted to contribute \$2 million to ASHRAE's research budget). The summer meetings reportedly don't contribute any money to the research budget so if the 2022 AHR Expo is held as scheduled, then research projects, such as 1703-TRP, would presumably return to normal).

As reported at the summer meeting, there has been no progress on the other two research projects discussed at the Orlando meeting in February. These are RTAR 1871 - Hygrothermal Modeling of Below Ambient Pipe Insulation Systems in Both Buildings and Refrigeration Systems, and RTAR 1862 - Determining the Impact of Sealing Hot Insulation System Metal Jacketing Joints on Water Intrusion and Retention in the System. Gordon Hart and Manfred Kehrer are the authors of the RTAR 1871 and Jim Young is the author of RTAR 1862. RAC had told us that RTAR 1871 will not be considered until meaningful data has been obtained by 1703-TRP.

Under New Business, I introduced an idea for new research. Based on what I observed walking the AHR Expo in Orlando last year, there are at least a half dozen companies marketing factory-installed pipe and tubing insulation systems for use with hot / cold water distribution systems as well as with air conditioning systems. These appear to be used for residential and light commercial buildings. While I'm not certain about the materials used, claims are being made about both the thermal performance and water vapor performance of these insulation systems that have apparently not been verified. I believe it is our TC's responsibility to address the short and long term performance of these types of insulation systems since they should be included in Chapter 23 of the Handbook of Fundamentals. I will communicate with the TC 1.08 members, between now and the summer, 2021 meeting, to find who is interested in helping to write an RTAR on these factory-installed pipe & tubing insulation systems.

Handbook Subcommittee: (Kartik Patel - Chair)

Chapter 23, Insulation for Mechanical Systems has been submitted by Bill Brayman and handbook committee to ASHRAE for 2021 ASHRAE Fundamentals Handbook. ASHRAE staff and committee will provide a proof for review and approval to Bill by end of March. The publication date is June 2021.

The next chapter publication in the handbook will be in four years. The electronic updates are more frequent and provide an opportunity to update the handbook on a more frequent basis.

We had a good discussion on how to incorporate installation methods in the chapter. Andre suggested that we evaluate writing a chapter in the Applications Handbook. Along those lines, Mr. Frankenfield suggested writing an outline of the proposed chapter to the ASHRAE Handbook committee. This topic will be discussed with the committee members.

Looking for volunteers. Would like to get input from insulation contractors, engineers and other ASHRAE technical committees. Please contact me at Kartik.a.patel@armacell.com or (919) 451-5431.

Program Subcommittee (Alan Neely - Chair):

On Feb 10th (Wednesday), 2021 3pm thru 4:20pm- TC 4.4 will be sponsoring a presentation. Diana Fisler will be chairing the event and Gordon Hart will be speaking. Do to deadline it might be too late to submit for a presentation, workshop, etc. for Phoenix, AZ so be thinking of speaking topics for Las Vegas (Winter Meeting 2022).

Monroe- Suggested to Alan to solicit help from members of the TC for topics and volunteers.

This is the overall publication schedule for the 2021 ASHRAE Summer Conference, Pheonix. For specific details and questions regarding these dates, please contact this TC's Program Chair and or the appropriate Track Chair.

For 2021 Phoenix Deadlines are as follows:

Wednesday January 13, 2021: Revised Conference Papers/Final Technical Papers Due

Monday February 15, 2021: Extended Abstracts Due

Thursday February 18, 2021: Conference and Technical Paper Final Accept/Reject Notifications

Monday February 22, 2021: Program Submissions Due

Friday March 19, 2021: Extended Abstract Accept/Reject Notifications

Friday April 2, 2021: Program Submissions Accept/Reject Notifications

This is the overall publication schedule for the 2021 ASHRAE Annual Conference, Phoenix, AZ. For specific details and questions regarding these dates, please contact this TC's Program Chair and or the appropriate Track Chair.

For the Phoenix Deadlines – Conference June 26 - 30, 2021 are as follows:

Wednesday, March 18, 2020: Conference Paper Abstracts, Technical Papers and Paper Session Requests Due

Wednesday, April 22, 2020: Conference Paper Abstract Accept/Reject Notifications

Monday, June 15, 2020: Website Opens for Seminar, Workshop, Forum, Debate, and Panel Proposals

Wednesday, July 8, 2020: Final Conference Papers Due - Submitted for Review (Includes Bio, Learning Objectives and Methods of Assessment); Request for Conference Paper Sessions Due

Monday, July 27, 2020: Conference Paper Accept/Revise/Reject Notifications

Monday, August 10, 2020: Revised Conference Papers/Final Technical Papers Due

Monday, August 24, 2020: Conference and Technical Paper Final Accept/Reject Notifications

Monday, October 5, 2020: Seminar, Workshop, Forum, Debate, and Panel Accept/Reject Notifications

Webmaster Report (Kartik Patel):

TC1.08 website, <https://tc0108.ashraetcs.org/>

The TC1.08 website has been updated with the latest meeting information.

New Business:

- Review requirements for inclusion of Base Camp on the website.

Adjournment:

Motion for adjournment by Kartik Patel, seconded by Bill Brayman with voice approval at 4:05 p.m., EDT.