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**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: 22 June 2022**

**TC TITLE: MECHANICAL SYSTEMS INSULATION**

**DATE/Time of MEETING: 22 June 2022 @ 3 pm EST LOCATION: VIRTUAL MEETING**

Voting MEMBERS PRESENT	Vote/ YEAR APPTD	Voting/ MEMBERS ABSENT	Vote/ YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Monroe Shumate - Chair	Yes/2017	Art Geisler	Yes/2020	Diana Fisler – Vice Chair
Heather Sharif - Secretary	Yes/2020			Natalia Maximova
Bill Ronca	Yes/2019			Howard Ahern
Steve Sanders	Yes/2019			Louis Walton
Kartik Patel – Handbook & Webmaster	Yes/2020			Michael Joyce
Pat Noonan	Yes/2020			Gordon Hart - Research
Andre Desjarlais	Yes/2020			Charlie Petty
Alan Neely - Program	Yes/2020			Darrell Peil
				Willis (Bill Brayman
EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE	Stephanie Mages		Corey Metzger	

**Chair called the TC to order at 1:00 PM 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 8 voting members present during the meeting. A quorum was achieved. There were 11 non-voting members present for all or part of this meeting.

**Approval of Agenda:**

Agenda for this meeting was approved by a vote of 8/0/0.

**Minutes:**

Minutes from the virtual meeting were briefly discussed. Motion was made by Diana Fisler and seconded by Bill Brayman. Motion passed 8/0/0 with voice approval at 2:04PM EST.

**TC Membership (Monroe Shumate)**

- Voting Members rolling off June 30, 2022: Monroe Shumate.

**Liaison Reports:**

None

Section 1 Head – Corey Metzger)

**Research Subcommittee (Gordon Hart - Chair):**

On June 22, 2022, 17 members and guests met virtually for the ASHRAE TC 1.08 Research Subcommittee Report. The main business was to receive an update on the status of RP-1703: “Testing the Performance of Vapor Retarder Systems Used with Mechanical Insulation in Below-ambient Applications”. As the Research SC Chair, I turned the meeting over to Charlie Petty, Chair of the Project Monitoring Committee (PMS), who then turned the meeting over to Michael Joyce, of R&D Services, the contractor for RP-1703.

Michael reported that this RP has been started. R&D services has received most, but not all, of the flat and cylindrical insulation and vapor retarder samples. Testing on seven of the eleven flat samples has been started although the other four samples have yet to be received. There have been some recent communication problems with one of the insulation sample fabricators that have recently been resolved; these problems have led to late deliveries of certain of the test samples. Overall, the testing can be broken down into 3 sections with R&D Services’ progress as follows:

- Flat tests
  - Started 7 out of 11 tests
  - Remaining materials for outstanding 6 tests have been ordered
- Straightforward (i.e., with one vapor retarder in the system) cylindrical tests
  - Started 2 out of 14
  - Have everything needed to prepare an additional 6 tests
  - Remaining materials for outstanding 6 tests have been ordered

- Difficult (i.e., with more than one vapor retarder in the system) cylindrical tests)
  - Started 0 out of 19
  - Have everything we need to prepare 9 out of 19 tests
  - These are the ones to be witnessed by the PMS, visits to be coordinated for sample preparation
  - Remaining materials for outstanding 10 tests have been ordered

The environmental test chamber can hold 5-6 cylindrical tests at a time. The attached four charts (following) have a summary of the information above. If colored blue, R&D Services has everything needed to begin sample preparation. Everything that is white has been ordered from the insulation fabricator.

The other topic on the agenda is RTAR-1871: “Hygrothermal Modeling of Below Ambient Pipe Insulation Systems in Both Buildings and Refrigeration”. As reported in January, 2022, Michael Vaughn at ASHRAE has told us in a letter that RAC requires us to first get some meaningful data from RP-1703 before they’ll consider further review of this RTAR. Since R&D Services expects to get meaningful data in the next couple of months, it is my intent to call a virtual Research SC meeting later in the summer, after we have received that data and have had a chance to review it.

**Handbook Subcommittee: (Kartik Patel - Chair)**

Virtual meeting was held on June 22<sup>nd</sup>, 2022, with 17 participants and the following handbook committee members were present: Monroe Shumate, Heather Sharif, Bill Brayman, Bill Ronca, Pat Noonan, Diana Fisler, Natalia Maximova, Charlie Petty.

The handbook chapter has been revised, clarified, and updated. The committee met 7 times since Nov 2021 to discuss and review the chapter.

The handbook chapter versions were reviewed during the meeting with the participants. Some corrections were made to the document.

The handbook subcommittee unanimously approved the new version of the handbook chapter.

New topics were discussed for updating and inclusion into the chapter, as new business.

- Table 5 to be reviewed
- Sound problems with fire rated assemblies and construction
- ASTM E84 for composite materials
- Figure 6 – describe the materials in the figures and remove the “wooden dowel” in the C-Clevis image.

Will request the voting members of the committee to approve the revisions to the chapter at the main meeting.

Upon approval, the chapter will be presented to the ASHRAE liaison, Stephanie Mages, and Heather Kennedy for inclusion on the ASHRAE website.

The committee plans to meet in late July and early August to continue updating the handbook.

**Program Subcommittee (Alan Neely - Chair):**

There were discussions about assembling a seminar panel on Industrial CUI for Atlanta in Tracks 1 & 7 ... Andre, Heather and Steve S expressed an interest in serving on the panel. However, there could be an issue with the discussion of CUI in an industrial setting as opposed to a HVAC setting. There was a discussion to table the idea of having a seminar for Atlanta. During the mean time if there was a topic that would be of interest for Atlanta I can assist in submitting the abstract application pending that they assist in answering some of the basic questions on their seminar. Side Note: During the Research Sub-Committee Meeting Kartik Patel mentioned that in some instances there are moisture issues in insulation for air handling equipment and could be a good candidate for a seminar program. Tracks can be found on ASTM website for upcoming meetings.

**UPCOMING PAPER AND PROPOSAL DEADLINES**

- **Tuesday April 5, 2022** – Conference Paper Abstracts, Technical Papers, and Paper Session Requests Due
- **Tuesday April 26, 2022** – Conference Paper Abstract Accept/Reject Notifications
- **Monday July 25, 2022** – Conference Papers Due – Submitted for Review
- **Tuesday August 9, 2022** – Debate, Panel, Seminar Form, Workshop Proposals Due
- **Monday August 15, 2022** – Conference Paper Abstract Accept / Revise / Reject Notifications
- **Monday August 29, 2022** – Revised Conference Papers, Technical Papers Due
- **Friday September 23, 2022** – Conference Paper Accept / Reject Notifications
- **Monday October 10, 2022** – Debate, Panel, Seminar, Forum Workshop Accept / Reject Notifications

**Webmaster Report (Kartik Patel):**

The website is up to date. The website interface for updating the website has changed. Please ensure that the information for your subcommittee is up to date. Any new information for the website must be first approved by the Chairperson.

**New Business:**

None

**Adjournment:**

Motion for adjournment by Kartik Patel, seconded by Diana Fisler with voice approval at 1:25 p.m., EDT.