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**DRAFT**

**Technical Committee MINUTES COVER SHEET**

TC No.: **TC 01.08**

DATE: **19 February, 2020**

TC TITLE: **MECHANICAL SYSTEMS INSULATION**

DATE/Time MEETING: **03 February, 2020 @ 4:15 PM** LOCATION: **HILTON ORLANDO, Lake Nona A**

Voting MEMBERS PRESENT	Vote/ YEAR APPTD	Voting/ MEMBERS ABSENT	Vote/ YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Willis "Bill" Brayman	Yes/2018	Charles Cottrell	Yes/2018	Darrell Peil
Gordon Hart	Yes/2018			Charlie Haack
Diana Fisler	Yes/2017			Alan Neely
Monroe Shumate	Yes/2017			Heather Sharif
Marcus Bianchi	Yes/2016			Jay Dorsey
Steve Sanders	Yes/2019			Shane Spence
Charles Petty	Yes/2017			Kartik Patel
Manfred Kehrer	Yes/2018			Pat Noonan
Bill Ronca	Yes/2019			Alec Cusick
				Danielle Ashley
				Jim Young
				Andre Desjarlais
<i>Arthur Giesler</i> unavailable due to an illness (requested VM 7/01/2020).				

**DISTRIBUTION: All Members of TC plus the following:**

TAC Section 1 Head: Ms. Jenifer Leach	Pennst8jen@yahoo.com
All Committee Liaisons as Shown on TC01.08 Rosters (Research, Standards, Handbook, etc.)	See ASHRAE email alias list for needed addresses.
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

**Note: These draft minutes have not been approved and not the official, approved record until approved by the TC.**

**TC Chair called the TC01.08 to order at 4:28 PM EST.** The Agenda was shown projected on the meeting room screen and previously had been emailed/circulated weeks beforehand to the entire TC 1.8 membership...

## **Members & Guests Introductions and Sign In**

### **ASHRAE Code of Ethics Commitment – TC Chairman – Willis “Bill” Brayman**

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 9 voting members (VM) present off and on during the meeting. There was 12 non-voting members present at this meeting. A **quorum** ( $\geq 50\%$  of a total 10 voting members). For this meeting, minimum of five (5) VM meets the TC’s quorum requirements.

### **Minutes:**

Minutes from the Kansas City, June 24, 2019 meeting were briefly discussed. Motion was made & seconded to approved as written. Motion passed 8/0/0.

### **TC Membership (Bill Brayman)**

The TC Chair is required to submit a “TC Activity Feedback Form” to the Section 1 Head by Tuesday night, 9:00 pm, 04 February, 2020. This Form includes all the technical activities and number count for the TC Committee activities, all the Subcommittees activities, including requests for membership changes with nominations for the TC chair, TC Vice Chair, Voting Members, Corresponding Members and TC-VM special requests subject to TAC approvals to be effective as of 01 July, 2020.

The following are nominations as qualified with MOP Sections: 2.1, 2.3, 3.1.2, 3.2, 3.2.2, 3.2.5, & 3.2.6

- TC Chair selects with appointment by the TAC chair after consultation with the Section 1 Head and beginning 01 July, 2020 for TC 1.8 **Chair**: Monroe Shumate
- TC Chair nominates and appointed by the TAC chair after consultation with the Section 1 Head and beginning 01 July, 2020 for TC 1.8 **Vice Chair**: Dr. Diana Fisler
- The TC Chair appoints on an annual basis, {MOP Section 3.2.2} TC Voting Members the following (6) TC 1.8 **Voting Members** (VM) for another year starting 01 July, 2020: Diana Fisler, C. Petty, G. Hart, M. Kehrer, W. Ronca, & S. Sanders.
- The TC Chair nominates {MOP Section 3.2 TC} and (5) TC 1.8 Corresponding Member for obtaining approval as **Voting Members** (VM) starting 01 July, 2020: Pat Noonan, R. Alan Neely, Andre O Desjarlias, Jim Young, & Art Giesler.
- TC Chair nomination {MOP Section 3.2.5 & 3.2.6 TC Voting Members} Provisional Corresponding Member & previous/past TC 4.4 {now 1.8} Corresponding Member (CM): obtaining approval as **Voting Member** (VM) starting 01 July, 2020; Kartik Patel
- TC Chair nomination (4) Provisional Corresponding Member for obtaining approval as **Corresponding Member** (CM) Ms. Heather Sharif, Ms. Jayamalar Dorsey, Charles Haack, & Shayne Spence.
- The TC {MOP Section 3.2.3} Request an exception for additional **voting member-Non-Quorum** (VWNQ) privileges term may be granted by the TAC chair if the TC makes a written request and that request is approved by the Section Head for effective, 07/01/2020: Willis J. “Bill” Brayman.

The TC written statement and motion: Bill Brayman steps down as TC chair effective 01 July, 2020, and requests to become a VWNQ for several reasons:

- #1. Budgets restraints for additional personal travel expenses as a PES for technical follow-up with WS# 1703 successful bidder as well as attending winter & annual ASHRAE meetings;
- #2. Maintain the voting membership to make a more evenly distribution between insulation specifier/end users and the many insulation manufacturers.
- #3. Complete my duties as Handbook Subcommittee Chair for the update/overhaul in Chapter 23 on Fundamentals.

Bill Ronca moved with second by Monroe Shumate. The motion to approve Bill Brayman as a VMNQ passed with a 7 affirmative. / 1 negative / 1 abstention. The reason for negative was not recorded at the meeting and the one dissenting member was asked after the meeting. Stated reason for negative is that a compelling reason this action is in the best interest of the society was not given.

### **Research Subcommittee (Gordon Hart):**

On February 2, 2020, the ASHRAE TC 1.8 Research Subcommittee met in Orlando, Florida. Subcommittee had three Agenda items to review: Work Statement# (WS#) 1703 - Performance of Vapor Retarder Systems Used on Mechanical Insulation, 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.

Chair announced that WS#1703 has, in the past month, has been accepted by RAC. Chair showed the most current version of the WS which has a date of January 10, 2020. Chair pointed out the portions that the writers (Chair: Charlie Petty, Jim Young, and Gordon Hart) had modified to address concerns from the Research Acceptance Committee (RAC). Those modifications were in the Milestones, in the section titled, "Scope / Technical Approach" and "Proposal / Evaluation Criteria". With RAC having now accepted this WS, and with our having named four possible bidders for this research work, the next step is in the hands of RAC. Chair pointed out that Charlie Petty has done an excellent job steering this project to this point, to getting RAC to accept it, and that it has taken almost ten years.

The Project Evaluation Subcommittee (PES), to evaluate the proposals ASHRAE receives from the bidding contractors, has already been named in the WS as Bill Brayman, Jim Young, Gordon Hart, Monroe Shumate, and Charlie Petty, with Charlie named as the Technical Contact. A motion was made to nominate a PES chair. Chair proposed Charlie Petty, Manfred Kehrler seconded. Motion passed 8/0/0. Bill Ronca had left the room leaving only 8 VM. Kartik Patel requested to see the latest copy of WS# 1703. Jim Young will e-mail it to him.

Chair Gordon Hart explained that RTAR 1871 is on-hold, at the direction of RAC, until WS# 1703 has been awarded, has started, and has generated some meaningful data. That will probably be in 6 to 12 months, at best.

Jim Young, as the Chair of RTAR 1862, took about half an hour for discussion with the Subcommittee. His purpose was to define our objectives and the variables we would consider in trying to define whether sealing of outdoor metal jacketing, over above ambient pipe insulation, is beneficial or not. TC discussed variables such as pipe temperature, pipe orientation, simulated rain and wind conditions, and insulated pipe size. Jim will use this information for the first draft of a work statement.

Chair stated there were no new research projects suggested.

### **Handbook Subcommittee: (HbSubC - Bill Brayman)**

After spending 2½ years or more meeting face to face and with many ASHRAE *Go To Meeting* conference calls, the authors have improved / updated major portions of ASHRAE *Fundamentals* Handbook, Chapter 23. The authors, Bill Brayman, Monroe Shumate, Jim Young, Pat Noonan, & Charles Petty are almost ready for a Chapter 23 *reviewers* by mostly the TC membership.

After the Chapter 23 *reviewers* respond with any editorial or technical content challenges, the authors will make the necessary amendments; the Handbook Subcommittee will submit to the TC chair for a **letter ballot** addressed to the current TC01.08 Voting Members, probably sometime in the Month of April, 2020, or anyway prior to the Austin, TX, meeting. In as much as the Chapter 23 has missed a 10 year opportunity for upgrading the ASHRAE *Fundamentals* Handbook, this Handbook Subcommittee desires to stop at this point and publish the work completed in order to be processed, edited, etc. by ASHRAE for the 2021 *Fundamentals* Handbook. The Handbook Subcommittee's intent is to continue with more new Sections in Chapter 23 just as soon as the Handbook, 2021 edition, by press time.

Pat Noonan mentioned at near the close of this report that he had some numbers to crunch into Table 8. The chair responded with a quick comment that Table 8 will be taken care with another *Go To Meeting* conference call soon but; beforehand a technical analysis with first Pat Noonan will be developed and thereafter with the authors' on the conference call.

### **Program Subcommittee (Alan Neely):**

A proposed seminar: "Idle buildings are the devil's playground" has been approved by TC 1.12 and 1.8 and 4.4 for Chicago. TC 1.8 already voted to do this 6 months ago just prior to Dr. Marcus Bianchi resigning as Program Chair. Session chair Diana Fisler requests speakers from each TC for a more engaging seminar. Pat Noonan as a manufacturer and Bill Brayman as an engineering specifier/user have offered to be speakers representing the TC 1.8

A second possible seminar was suggested: "Good, bad, ugly" - District energy cosponsor.

### **Webmaster Report:**

Charles Cottrell has left NAIMA and Kartik Patel has been appointed new TC 1.8 Webmaster by the TC Chair. Kartik has quickly moved forward with the assistance of the ASHRAE Staff and; Kartik will be starting the necessary updating & continuing entries to the TC's Website very soon.

### **Old Business: N/A**

### **At near adjourning time under New Business:**

Bill Brayman and TC Vice Chair-Monroe Shumate presented descriptive conversations about Mr. Ron King – National Insulation Association (NIA) past President and Consultant, envisioned an inspection requirement and best fit into this TC 1.8 with his new NIA Thermal Insulation Inspection Certification™ Program.

The Program Subcommittee Chair, Alan Neely will make further explorations to Brayman's and Shumate's e-mail replies to Mr. Ron King; and directly with Tim Kline – ASHRAE Certification Manager and consequently ASHRAE's Senior Manager of Technical Services – Michael Vaughn.

**TC Meeting call to adjourn** by Diana Fisler at 6:45 PM EST with an affirmative voice vote. Adjournment vocally approved.