

**ASHRAE MTG – ACR
Spring Web Meeting
Thursday, May 23, 2019
Meeting Minutes**

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING
ENGINEERS, INC.
1791 TULLIE CIRCLE, N.E./ATLANTA, GA 30329
404-636-8400**

TC/TG/TRG MINUTES COVER SHEET

| | | | |
|-----------------|---|----------|--------------|
| TC/TG/TRG No | MTG.ACR | DATE | May 23, 2019 |
| TC/TG/TRG TITLE | Multidisciplinary task group on air changes rates | | |
| DATE OF MEETING | May 23, 2019 | LOCATION | Web Meeting |

| Members Present | | Members Absent | | Additional attendance | |
|------------------------|------------|-----------------------|----------|------------------------------|--|
| Kishor Khankari | Chair | Bob Burkhead | TC-2.4 | Travis English | |
| Roland Charneux | Vice-chair | Henry Hay | TC-2.2 | Gary Goodson | |
| Roger Lautz | TC-9.6 | Michael Baucom | TC-9.2 | Larry Howlett | |
| Jim Coogan | TC-9.10 | Gaylon Richardson | TC-5.3 | Nick Agopian | |
| Ken Mead | NIOSH | Michael Locke | SSPC 170 | Erich Binder | |
| Cliff Cooper (ALT) | | Daniel Doyle | I2SL | Carl Huber | |
| Jose Palma (ALT) | TC 5.3 | Tom Smith | AIHA | Yusuf Bhetasiwala | |
| Phil Naughton | TC-9.11 | | | | |
| Kevin A Scarlett (ALT) | SSPC-170 | | | | |
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DISTRIBUTION

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| <i>All Members of TC/TG/TRG plus the following:</i> | |
| TAC Section Head | |
| TAC Chair | |
| All Committee Liaisons As Shown On TC/TG/TRG Rosters | |
| Standards liaison : Manager of Research & Technical Services | |
| Research liaison | |

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1. Call to order 11:00 (EST) and Introduction

Kishor Khankari called the meeting to order and established a quorum with 8 voting plus chair members on 13 voting members. There were 5 members plus 3 alternate and chair.

Kishor reminds every attendee to adhere to the ASHRAE code of ethics.

Meeting started late because of unavailability of ASHRAE staff to initiate GoTo meeting.

2. Approval of the Agenda

The agenda is approved.

3. Approval of Minutes

A motion to approve the February 21st, 2019, minutes, proposed by Kevin A. Scarlett and seconded by Jim Coogan (8-0-0-CNV). Approved.

4. Meeting dates

The next MTG.ACR web meeting date to be determined.

5. Status of the work statement – Kishor Khankari

Status of the Work Statement WS 1833 - Literature Review for Evidence of the Basis for Specified Air Change Rates (ACR) for Cleanrooms, Laboratories, laboratory animal facilities, and health care facilities with medium to high ACR.

- a) 6 Proposes received;
- b) Plan of PES – Complete the evaluations before Annual meeting in Kansas City;
- c) Following members agreed to serve on Project Evaluation Subcommittee (PES)

| | |
|-----------------|--------|
| Phil Naughton | Chair |
| Jim Coogan | Member |
| Travis English | Member |
| Henry Hayes | Member |
| Michael Meteyer | Member |
- d) PED Documentation to be sent to PES Committee.
- e) Thanks to Phil Naughton for his excellent work.

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6. Program Update

- a) ASHRAE Annual Meeting Kansas City Program
TC 9.10: The Art and Science of Reducing Flow to Improve Safety and Stop Wasting Energy in Labs.
 - Tom Smith, Kishor Khankari and Kevin Gebke.
- b) New program ideas for Winter meeting in Orlando.
"The History of Use of Air Changes per Hour in HVAC codes, standard, and guidelines."
 - Cliff Cooper, Roger Lautz, Phil Travis.
- c) Monday evening meeting 9 PM – Truman B – on the Lobby level of the Marriott East Tower.

7. Reports from members

Jim Coogan mentioned that tuning a Humidity Control Loop, ACR was pretty useful.

Jim to do a short presentation on this at the next meeting.

8. Research Project

Kishor Khankari presented the effect of room dimensions on concentration with a constant contamination source. Analysis done at constant air supply and at constant airflow. Dimensions of room has an impact.

The research subcommittee is formed:

- Jim Coogan
- Phil Naughton
- Trevor English
- Roger Lautz
- Tom Smith
- Cliff Cooper
- Bob Burkhead
- Kishor Khankari
- Roland Charneux.

9. No old business

10. No new Business

11. The meeting adjourned at 13:15 pm.