



Agenda - ASHRAE MEETING – Winter 2023
TC 2.3 - Gaseous Air Contaminants/Removal Equipment
TC Meeting

Time: 1:00 PM – 3:30 PM EST

Date: February 7, 2023

Location: Omni CNN Center Atlanta, Grand Ballroom C (M4-North)

Link: <https://events.rdmobile.com/Sessions/Details/1612436>

Basecamp: <https://www.ashrae.org/technical-resources/technical-committees/tc-training-and-presentations>

TC 2.3 website link: <https://tc0203.ashraetcs.org/>

1. Call to order

2. ASHRAE Code of Ethics

The ASHRAE Code of Ethics is to be adhered to by those doing ASHRAE business whether or not they are an ASHRAE member. The Code of Ethics can be reviewed at the below link.

<https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

- **Code of Ethics Commitment**

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness, and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism, and diversity, and we shall avoid all real or perceived conflicts of interests.

- **Diversity Commitment**

ASHRAE is committed to providing a welcoming environment. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We proactively pursue and celebrate diverse and inclusive communities understanding that doing so fuels better, more creative, and more thoughtful ideas, solutions, and strategies for the Society and for the communities our Society serves. We respect and welcome all people regardless of age, gender, ethnicity, physical appearance, thought styles, religion, nationality, socio-economic status, belief systems, sexual orientation, or education.

3. Ask virtual members and guests to use the chat feature to enter their Name, Affiliation, Email Address, and YEA designation (if applicable) for meeting attendance records. Establish Quorum.

4. Chair's Report
 - Update from TC breakfast training

 - Awards

5. Reporting from ASHRAE liaisons.

6. Review and Approval of previous meeting minutes

7. Items to be Voted on

- o 1931-RTAR Determination of the CO2 and Aerosol Generation and Metabolic Rates of Occupants for Selected Indoor Activities

8. Get an update on:

- i. Matt Middlebrooks (WS-Lead Author) commented that WS 1928 was accepted with comments August 2021. WS was revised and sent to TC 2.3 Voting Members January 2022.

ii. Summary of Existing and Proposed Test Methods

| Title | Surface or Air | Target Pollutant | Test setup | Single pass versus multiple pass | Technology | Status |
|---------------------------|----------------|---|---------------|----------------------------------|---|--|
| 145.2 | Air | Gases | Duct | Single pass | Sorbent-Being updated to apply to EACs. | Established Standard |
| AHAM AC-5 | Air | bioaerosols | Chamber | draw down | electric room air cleaners | Published |
| 185.3 | Air | Microorganisms | Chamber | draw down | Commercial In-room devices | Standard being written |
| "145.3" TPS | Air | Gases + byproducts | Chamber+ Duct | recirculation | All air cleaners- in duct and in room | TPS written |
| RAST TPS | Air | particles and bioaerosols/ microorganisms | Chamber+ Duct | recirculation | All air cleaners- in duct and in room | TPS being written |
| Proposed Research Project | | | | | | |
| WS-1928 | Air | bioaerosols/ microorganisms | Chamber+ Duct | recirculation | All air cleaners- in room only | New votes in progress, (cleared TC2.9 ?) |

9. Subcommittee Reports

- o Research - Subcommittee Chair – Paula Levasseur



- Handbook - Subcommittee Chair -- Brian Krafthefer;
- Membership - Subcommittee Chair -- Matt Middlebrooks
- Planning - Subcommittee Chair – Kevin Kwong
- Program - Subcommittee Chair -- KJ Choi
- Standards - Subcommittee Chair – Michael Sherber

10. Other Updates

- ASHRAE Learning Institute – Marilyn Listvan
- Publications - Subcommittee Chair -- Marilyn Listvan
- Website - Subcommittee Chair -- Caitlin Naske
- SSPC145 – Committee Chair – Tony Abate

11. Review of Action Items from Last Meeting

| # | Action Item | Owner | Meeting Initiated | Update | Status |
|---|---|------------------|-------------------|--------|--------|
| 1 | Workshop on performance rating system summary to be sent out. | Ashish Mathur | Atlanta | | |
| 2 | Collection of TC member bibliography papers for website posting | Marilyn Listvan | Atlanta | | |
| 3 | Development of a course on gas phase filtration to be part of ASHRAE supported classes and send to chapters | Paula Levasseur | Atlanta | | |
| 4 | Title/purpose /Scope for MTG or GPC on how to implement combined filtration systems | Brian Krafthefer | Houston | | |
| 6 | ASHRAE Certification Program | Marilyn Listvan | | | |

12. Report from TC liaisons

Henry Greist– TC 2.9

Nick Agopian – 62.2

Kathleen Owen - TG2.RAST

Nick Agopian – TC 5.5



Nick Agopian – TRG-IAQP

Marwa Zaatari - 62.1

Jensen Zhang – EHC

Brian Krafthefer – TC 4.10

Tony Abate – TC 4.3

John Rajala – TC 2.4

Kevin Kwong – U.S. TAG to ISO/TC 142, AHAM (AC-4, gaseous CADR chamber test) and IEC (CADR-like chamber test for gaseous pollutants)

Paula Levasseur – TC 9.1

Brian Krafthefer – TC 2.1

Marilyn- 9.7

13. New Business

14. Hightower Award

Happening at the start of the TC 2.4 meeting, Tuesday February 7 at 3:30 pm in Room Maple B, Floor A-South, in the OMNI CNN Center.

15. Adjourn