



Technical Committee 3.2 – Refrigerant System Chemistry and Contaminant Control

Agenda - Annual Conference 2024 Indianapolis (Hybrid)

Tuesday, June 25th – 3:30 to 6:00 pm (EDT) JW Marriott 303 (3)

Information provided below for virtual attendees

Name	Affiliation	Voting Member
Julie Majurin – Chair	Daikin	Yes
Morgan Leehey - Vice Chair	Trane Technologies	Yes
Steve Kujak – Secretary	Trane Technologies	No
Casey Scruggs – Research	Trane Technologies	No
Shelby Kent – Programs	Shrieve	No
Ivan Rydkin – Handbook	Daikin	No
Sheli Porter – Standards	Stellar Laboratories	Yes
Dave Vincent – Webmaster	BVA	Yes
Greg Smith	Honeywell	Yes
Raymond Drost	Calumet	Yes
Brad Boggess	Emerson	Yes
Justin Allemann	Parker Hannifin	Yes
Bob Low	Koura	Yes MNQ
Ed Hessell	Lanxess	Yes
Marc Scancarello - MTG Low GWP	Copeland	No
Rashid Zakeri – MTG Sustainable RAC	Circle Prosc0	No

Virtual Meetings and Conference Log-in Information

TC 3.2 Meeting (Hybrid) – June 25, 2024 3:30 pm – 6:00 pm (EDT)

Combined TC 3 Research and Program Virtual Meeting was held June 11, 2024 2:00 pm – 4:00 pm (EDT)

The schedule of all technical programs and meetings can be found at [ASHRAE 2024 Annual Conference Schedule](#)

1. Call to Order (**Julie Majurin**)
 - 1.1. Virtual conference housekeeping
 - 1.2. Meeting Sign-in
 - 1.3. ASHRAE Value Statement

In 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 shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.

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

Core Values - <https://www.ashrae.org/about/ashrae-s-core-values>

Diversity Statement - <https://www.ashrae.org/about/diversity-equity-and-inclusion-dei>

- 1.4. Introduction of Members and Guests

2. Confirmation of Quorum (**Julie Majurin**)
3. Roster Changes taking effect July 1, 2024

Name	Affiliation	Voting Member
Julie Majurin – Chair (2025)	Daikin	Yes
Morgan Leehey - Vice Chair (2027)	Trane Technologies	Yes
Amy Shifflett – Secretary (2028)	CPI Fluid Engineering	Yes
Casey Scruggs – Research	Trane Technologies	No
Shelby Kent – Programs	Shrieve	No
Andrea Hernandez Irias – Handbook	Metalloid	No
Sheli Porter – Standards (2025)	Stellar Laboratories	Yes
Dave Vincent – Webmaster (2026)	BVA	Yes
Raymond Drost (2027)	Calumet	Yes
Brad Boggess (2025)	Copeland	Yes
Joe Karnaz (2028)	Shrieve	Yes
Bob Low (2026)	Koura	Yes MNQ
Ed Hessell (2025)	Lanxess	Yes
Rosine Rohatgi (2028)	Spauschus Associates	Yes

Anyone interested in becoming a corresponding member please go to the ASHRAE website and join as a Provisional Member.

4. Approval of TC 3.2 2024 Annual Conference Hybrid Meeting Agenda (**Julie Majurin**)
5. Approval of TC 3.2 2024 Winter Conference Hybrid Meeting Minutes (**Julie Majurin**)
6. Report of TC Chair's Breakfast Meeting (**Julie Majurin**)
7. Liaison Comments (may be adjusted to accommodate the Liaisons' schedules)

8. Subcommittee Reports

8.1. Programs (Shelby Kent)

- TC 3 Combined Programs Web Meeting Report
- Review of Sponsored, Co-sponsored or programs of interest for this meeting
- Timeline for program submission
- Programs Ideas and Discussion of Future Programs:
 - o Orlando Winter 2025
 - o Phoenix Summer 2025

8.2. Handbook (Andrea Hernandez Irias/Julie Majurin)

- Updates on Handbook activities and meetings
- Chapter 6 *Refrigerant System Chemistry*
- Chapter 7 *Control of Moisture and Other Contaminants in Refrigerant Systems*

8.3. Standards (Sheli Porter)

- Updates:

GPC 38	<i>Metal Pressure Vessel Testing to Test Materials Used with Refrigeration Systems</i>
SPC 97	<i>Sealed Glass Tube Method to Test Chemical Stability of Materials for Use Within Refrigerant Systems</i>
SPC 35	<i>Method of Testing Desiccants for Refrigerant Drying</i>
SPC 63.2	<i>Method of Testing Liquid Line Filter Drier Filtration Capacity</i>
SPC 78	<i>Method of Testing Flow Capacity of Suction Line Filters and Filter Driers</i>
SPC 219	<i>Method of Testing Acid Filters</i>

- New Ideas for standards or guidelines

8.4. Research (Casey Scruggs)

- TC 3 Combined Research Web Meeting Report
- Current Research Activities Updates:
 - o **RTAR 1856** – “Determine the Effect and Allowable Limits of Moisture and Contaminants in CO₂ Systems”
 - o **RTAR 1886** – “Kinetic and Mechanistic Studies of the Breakdown of HFO Refrigerants”
- Review discussion/ideas from Winter Meeting
- Others – Any research needs and gaps from review of Handbook Chapters
- Future Research needs and New Research ideas

9. Webmaster (Dave Vincent)

Website Update

10. MTG Low GWP: Recent activity

11. Old Business (Julie Majurin)

12. New Business (Julie Majurin)

13. Adjournment