

Draft Agenda
TC 2.3 - Gaseous Contaminants/Removal Equipment
Research Subcommittee Meeting
Virtual, Tuesday June 8th 2:00-4:00pm EST

Access Information: Link For Attendees

https://ashrae- org.zoom.us/j/98363668458?pwd =dmlxYkNUUUNWOHZOa2Z0TTF2U jh2UT09
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- 1 Meeting call to order
- 2 Introductions and Recording Attendees
Enter Name, affiliation and email in Chat
- 3 Review of Minutes from Winter Virtual Meeting
 - a. Comment – draft minutes on web still titled as Agenda
- 4 Chair comments
 - a. RTAR review and submittal process
- 5 RAC report (Liason TC2.3- Bill Hutzel)
- 6 Active Projects
 - a. **1720-RP Validation of gas-phase air-cleaner performance test method (Standard 145.2) by laboratory testing of commercially available filtration devices** – PMS: Gemma Kerr, Paula Levasseur, Chris Muller, Nick Agopian, Marilyn Listvan. PI: Kathleen Owen.
 - b. **1579-RP Testing and Evaluation of Ozone Filters for Improving IAQ**— PMS: Sanjeev Hingorani, Kevin Kwong, Matt Middlebrooks, Nick Agopian, Thad Ptak, Hoy Banohan (EHC). PI - Atila Novoselac; Jeff Siegel, Consultant.
 - c. **1780-RP, Test Method to Evaluate Cross-contamination of Gaseous Contaminant within Total Energy Recovery Devices**; Responsible Committee: TC 9.10 (Laboratory Systems); Co-Sponsors: TC 2.3. Nick Agopian on PMS. Awarded to University of Saskatchewan.
 - d. **1838-RP Inclusion of Electronic Air Cleaners** – PMS: Kevin Kwong, Jeff Roseberry, Tony Abate, Nick Agopian, Ashish Mathur, Paula Levasseur. PI: Dean Tompkins; co-PI Kathleen Owen. Start Date: Nov 2019.
- 7 Work statements and RTARs – Updates
 - a. **1867-RTAR: Development and validation of a model for assessing the corrosion risk of Datacom equipment under different pollution and thermal environmental conditions.** TC 9.9

- b. **1869-RTAR:** Evaluation of Indoor Air Contaminants with respect to Development of a Revised Indoor Air Quality Procedure (IAQP) Design Compound and Design Target Lists for Standard 62.1. Champion: Gemma Kerr. WG: James Dennison, Dean Tompkins, Marwa Zaatari, Hoy Bohanon, Wayne Thomann.
- c. **1846-RTAR:** Real Time Small sensors: Brian K., Fuoad Parvin, Thad Ptak, Jeff Roseberry, Sanjeev H., Jensen Zhang, Jordan Clark. No Update – waiting on the 2.4 sensor study
- d. **1858-RTAR:** sVOCs including how SVOC emissions change with temperature - Sanjeev*, Jianshun Zhang, Kevin Kwong, Ying Xu, Brent Stephens, Brandon Boor, and Jim Rosenthal.
- e. **1895-RTAR** Effect of particles on loading on gas filters, with possible interest in looking at other combinations of technologies in the same air cleaner (Matt, Brian, Paula, VJ). TC 2.4 and GPC 35 co-sponsored.

8 Proposed RTARS and other work:

- a. The effects of filtration on health. Dean Tompkins, Nick Agopian, Lexuan Zhong, Caitlin with EHC interest. Keep on the list Nick Agopian.
- b. Acceptable VOC types and concentrations for inclusion in multi contaminant test gases - on hold. Ashish to champion, Kathleen, Gemma, and Paula, Chang Seo. (Orlando) Interest remains.
- c. Venting for 3D Printers: needs champion (Paula, Gemma, Marwa, Dan, Joel Foster (2?.9), Wayne Tomann (EHC), Marilyn, Matthew Stiegel, and Courtney Stanion with Brent talking to 2.4). **needs champion.**
- d. Combination duct and chamber test. Jeff Siegal suggested. Matt, Gemma, Christine and Kathleen, Sanjeev, Paula, Atila N, Peter McKinney, KJ, Kevin.
- e. RTAR on 62.2 unvented combustion devices (Nick brought up). They are writing RTAR on this for huge project (millions). We need to be in it. Needs a chemist.
- f. Gases to dimers, where is the dividing line between particles and gases, nucleation. And how to remove them? Brian's idea, Gemma, Chang-Seo, Marilyn
- g. Effects of increased use of surface disinfectants and hand sanitizers on indoor air quality. Chang Seo, Kathleen, Jensen, Marilyn, Paula
- h. New Ideas: