

MEETING AGENDA
TC 2.3 - Gaseous Contaminants/Removal Equipment
Standards Subcommittee Meeting
Monday, June 24th, 2019, 2:15-3:00 PM
KCCC, 2211

1) Introductions and Sign-In

There were 19 attendees at the meeting.

2) Approval of the agenda

Approval of the Agenda was unanimous.

3) Update on standards within scope of ASHRAE TC 2.3

- a) GPC 27P “Procedures for measurement of gases in indoor environments” – *Gemma Kerr*
 - This guideline is now in publication, should be in the ASHRAE bookstore in Orlando.
- b) ASHRAE Std. 145.1-2015 “Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Loose Granular Media” – *Matt Middlebrooks*
 - No activity at present.
- c) ASHRAE Std. 145.2-2011 “Laboratory Test Method for Assessing the Performance of Gas-Phase Air Cleaning Systems: Air Cleaning Devices” – *Matt Middlebrooks*
 - This standard is undergoing major revision to allow performance testing of electronic air cleaners. In addition there are minor changes being made that are not related to air cleaners.

4) ASHRAE SPCs/SSPCs/TCs/TGs/TRGs activities

- a) TC 2.4 “Particulate Air Contaminants and Particulate Contaminant Removal Equipment”
 - i) GPC35P “Method for Determining the Energy Consumption Caused by Air-Cleaning and Filtration Devices” – *Brian Krafthefer*
 - There was no meeting in Kansas City. Writing the guideline is proceeding according to plan, but cannot be finished until the loading dust research project 1734-RP is completed.
 - ii) SSPC 52.2 “Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size”- *Gemma Kerr*
 - the change proposal that will allow approximate PM performance metrics to be calculated from the 52.2 test data will start Public Review on July 9. Research project 1784-RP is looking at whether recent changes to the 52.2 methodology have improved its reliability. A decision on whether to adopt the ISO standard 16890 has been postponed.
- b) TC 2.9 “Ultraviolet Air and Surface Treatment”
 - i) SPC 185.1-2015 “Method of Testing UVC Devices for use in air handling units or air ducts to inactivate airborne microorganisms” - *Ashish Mathur*
 - There was no report.
 - ii) SPC 185.2-2014 “Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts on Irradiated Surfaces” - *Ashish Mathur*
 - There was no report.
- c) TC 9.11 “Clean Spaces” – *TBD*
 - There is a program session at this meeting dealing with their recently published clean room design guide.
- d) SSPC 62.1 “Ventilation and IAQ High Rise Buildings” – *Chris Muller*
 - i) Research
 - There was no report.

- ii) Education
 - There was no report.
- e) SSPC 62.2 “Ventilation and IAQ Low Rise Buildings” – *Nick Agopian*
 - There was no report.

5) Information Exchange

- a) AFS – *KJ Choi*
 -
- b) ASTM D22.05 “Air Quality” SC “Indoor Air” – *Peter Freeman*
 -
- c) ASTM D28.04 “Activated carbon” SC “Gas Phase Evaluation Tests” – *Peter Freeman*
 - i) D6646-03 (2014) “Standard Test Method for Determination of the Accelerated Hydrogen Sulfide Breakthrough Capacity of Granular and Pelletized Activated Carbon”
 -
- d) ISO/TC 142 “Cleaning Equipment for Air and Other Gases” – *Matt Middlebrooks*
 - i) WG8 “Gas-phase air cleaning devices”
 - (1) ISO/NP 10121-3 “Test method for assessing the performance of gas-phase air cleaning media and devices for general ventilation — Part 3: Classification system for treatment of make-up air”
 -
 - ii) WG11 “Portable room air cleaners for comfort applications”
 - (1) ISO/NP 17970-1 “Measurement of the performance of portable room air cleaners - Part 1: Performance against non-viable particulate matter”
 -
 - (2) ISO/PWI 17970-2 “Measurement of the performance of portable room air cleaners - Part 2: Performance against gases”
 -
 - iii) US Technical Advisory Group (TAG) to ISO/TC 142
 -
- e) ISO/TC 205 “Building environment design” – *TBD*
 - i) ISO 16814:2008 “Building environment design - Indoor air quality - Methods of expressing the quality of indoor air for human occupancy” (reviewed and confirmed in 2014)
 - There was no report.
- f) USGBC – *Charlene Bayer*
 - There was no report.
- g) CEN/TC 156 “Ventilation for buildings” – *Paolo Tronville*
 - i) EN 16798-3:2017 “Energy performance of buildings - Ventilation for buildings - Part 3: For non-residential buildings - Performance requirements for ventilation and room-conditioning systems (Modules M5-1, M5-4)” (Supersedes EN 13779:2007);
 - There was no report.
 - ii) CEN/TR 16798-4:2017 “Energy performance of buildings - Ventilation for buildings - Part 4: Interpretation of the requirements in EN 16798- 3 - For non-residential buildings - Performance requirements for ventilation and room-conditioning systems(Modules M5-1, M5-4)”
 - There was no report.
 - (1) It contains information to support the correct understanding and use of EN 16798-3.
- h) Other ISO TCs (and also CEN, ITRI, etc.)
 - There was no report.
- i) <http://www.cluster-essc.eu/> - The European Sensor-Systems Cluster (ESSC)
 - There was no report.

6) Old business

- There was none.

7) New business

Jon Rajala reported that TC 9.8 is starting to write a new Applications Handbook chapter on Indoor Growth Facilities, and that they need input from filter people on TC 2.3 and 2.4. He was advised on how to go about finding volunteers to help.

It was decided that in future the Standards Subcommittee will hold both of its meetings online before the ASHRAE meeting. The Chair will organize a doodle poll through ASHRAE to determine the most suitable date and time. Previous attendees, all VM and all CM will be invited to participate. People with reporting responsibilities will be asked to supply a short written report if unable to participate.

8) Adjourn

- The meeting was adjourned at 2:50 pm.