

ASHRAE TC2.3 HANDBOOK SUBCOMMITTEE MEETING MINUTES – LONG BEACH

Monday, June 26, 2017

4:15-6:00 p.m.

Rennasiance Hotel, Room Nietro

Participants:

Name

Dan Haas
Gemma Kerr
Brian Krafthefer (Chair)
Paula Levasseur
Ashish Mathur (Vice Chair)
Nick Agopian
Sanjeev Hingorani
David Shaaf

Meeting called to order at 4:15.

Discussion

The date to submit Chapter 46 is March 15, 2018 for 2019 release, but this has been extended until June. A draft, revision C, was sent out for the meeting that contained some of the revisions made during the April telecon. This revision C was what was discussed during meeting.

Sections 1 – 5 were discussed during the meeting and finalized. The following work on previous action items is to be completed by the August time frame:

Section 2 - Chang Seo is to finish reviewing

Section 4

- Paula is to edit the 3rd paragraph
- Brian to put in reference to Sec. 5

Section 5

- New references – Chang Seo
- Photocatalyst – change, rewrite paragraph, add reference to visible light,
- PCO, rewrite paragraph

Section 6

- Rewrite part of page 9
- At Polarity location put in ref. to Ch. 11

The following new actions resulted from the meeting:

- Brian to list of section 6 - 12 subheadings
- Nick and Paula will look at tables 6 and 7 for modifications.
- Brian will reconstruct Figure 6 with Matt's charts.
- Brian will send out draft revision D of chapter by July 15th
- Brian to review Section 3
- WHO radon reference in 6 7, Gemma to get
- Dan to add power devices sentence
- Dan and Ashish to write Bipolar ionization section
- Review the ISO 2946 comparing document sent by Gemma
- Paula to update Section 4 first para to mention that Section 5 will discuss ventilation in more detail
- Nick to send new Fig 2 Section 5 to replace or add to existing figure.
- Ashish to update PCO section (summarize LBNL , Chang Seo's work) and send before Aug telecom
- Add a para on energized reactive powered devices - Ashish
- Nazaroff- Gemma to look at ASHRAE project where PI was Dong Zhang
- Economic considerations table title to change- to be updated to include powered devices
- 2nd para – add reference for Radon handbook by WHO 2009-, Change Seo
- Paula will work with Nick to update Chemisorption section- Page 11
- Section 6 Fig 5- Ashish to send drawing of bonded panel structure and Camfil round cartridge add below it.
- Section 7- remove sentence
- “Some gaseous contaminants, including ozone, radon, and sulfur trioxide, have unique properties that require design judgment and experience.”
- Media selection to be rewritten about mixtures- update should be around using mixtures of media rather than testing since there is no test standard for mixtures
- Clean up decision tree- Fig 6. – Figures repeated
- Nick to send media selection table
- Everyone reviews Section 6 & 7 to review if it flows properly. Brian to give sub section headings so everyone can refer to the section headings in their edits.
- Paula and Nick to provide example for sizing and selection of system
- Paula and Nick to update Table 8 for residence time
- Mesh size 6 x 4 is incorrect –page 20, Brian to fix
- Special cases – page 21. Find regulatory reference for Ozone limit for < 0.1 ppm
- Air Cleaner location section page 18 to be updated for Outdoor air intake
- Section 10 to be rewritten by Brian

- Brian to prepare schedule of review of completion of expected sections to complete by June 2018

There will be telecons the week of Aug 20th, and Oct 1st, set up by Brian

Meeting adjourned at 6:00pm