

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND  
AIR-CONDITIONING ENGINEERS, INC.**

**1791 Tullie Circle, N. E.**

**Atlanta, GA 30329**

**404-636-8400**

**TC Meeting Summary**

**TC 5.8 Industrial Ventilation DATE: January 23, 2012**

Date of Meeting: January 23, 2012 LOCATION: Chicago, IL <b>Voting Members Present</b>	<b>Year Appointed</b>	<b>Voting Members Absent</b>	<b>Year Appointed</b>	<b>Additional Attendees</b>	
K Mead	2006	A Braum	2008	J McKernan	B Willcox
G Menzies	2007	A Woody	2006	W Kumpf	E Studor
D Ghosh	2006	G Knutson	2008	T Axley	G Maestro
W Lawton	2009	M Baucom	2008	W Lampkin	M Timm
		E Bender	2011	G Schuyler	L Mai (?)

**TC 5.8 INDUSTRIAL VENTILATION  
MEETING SUMMARY – Chicago, Illinois  
JANUARY 23, 2012**

**Note:** Due to the lack of a quorum, these “minutes” are unofficial and do not qualify as an official ASHRAE record. They are intended merely to be a summary recollection of items discussed amongst those who were present.

**Meeting Location:** Palmer House, Hilton Hotel, Chicago, IL

**Scope:** TC 5.8 is concerned with the industrial environment as it affects the in-plant personnel, process, and equipment. It embraces supply air cleaning, heating, cooling, and exhaust ventilation.

**PRELIMINARIES (Ken Mead)**

The Winter Meeting of TC 5.8 was held at the Palmer House, Hilton Hotel, Chicago, IL. Vice-Chair Ken Mead called the meeting to order at 4:15 PM Central time.

## **Membership:**

Four of nine voting members attended, so there was not a quorum. In all, there were 18 people in attendance. The Chair, Mike Baucom, was not available for the meeting, due to a personal commitment.

During the membership and roster update, the membership status for current members was reviewed and individual's invited to step forward if interested in becoming Corresponding Members. Prior to the start of the meeting, Ken received an email request from Erich Bender to convert from voting member (VM) to corresponding member (CM) status on the committee due to competing ASHRAE BOD responsibilities.

Starting July 1, 2012, Ken Mead will be the new TC 5.8 chair, and Wayne Lawton will become the new Vice-Chair. Mike Baucom will resume his term as a VM and assume the role of webmaster. In addition to Mr. Binder, Vernon Peppers, Al Woody, and Deep Gosh will all convert from VM to CM. Current CMs John McKernan, Bill Kumpf, Tom Axley and Bill Lampkin will begin new terms as voting members.

## **General:**

Section 5 Chair Gus Maestro provided current information from ASHRAE headquarters (HQ). Gus encouraged attendees to come to the George B. Hightower Technical Achievement Award, being presented to Donald Baity this year. Gus also reminded TC members that they cannot represent the TC they are on to any other body (i.e., act as a liaison) unless the TC they are on votes to approve their liaison activity.

Ken indicated he would comply with ASHRAE HQ request to submit the TC roster updates for 2012 by January 24, 2012.

Ken indicated that there are no formal TC 5.8 minutes from the 2011 summer meeting in Montreal; therefore there was not a vote to approve these minutes. There was no quorum at that meeting either. Ken will soon send unofficial meeting notes from the summer meeting to the TC membership for their input. If you were present at the June 2011 meeting in Canada, please review the draft "minutes" and provide any proposed corrections to Ken (using MS Word's track changes) by 22 Feb. Ken will integrate comments and provide final copy for Mike to upload onto the webpage.

Ken provided a summary of the Technical Committee Section 5 Head and CEC Reports.

ASHRAE has a new 'identity' and 'rebranding'. The outward appearance of these activities is that ASHRAE has a new logo, and tagline, "shaping tomorrow's built environment today." Please see the FAQ section on ASHRAE's website for further information.

ASHRAE is pulling together an operations and maintenance (O&M) guidance source. They are assembling a steering committee, and currently looking for TC input for San Antonio. ASHRAE has identified a few TCs as resources for the O&M effort, but did not include 5.8 initially. TC 5.8 could likely have membership in this effort if someone from TC were to pursue it. Related to this effort, the provision of the Mini Conference on Operation and Maintenance is being presented in Chicago. ASHRAE is attempting to continue the idea going forward. Individuals/groups with topic ideas for the Mini-Conference format should contact the CEC to review the possibility of their conference being presented.

The ASHRAE websites are open for:

- San Antonio 2012 -- Seminar and Forum proposals due 2/13/2012. Final Conference and Technical papers are due Mar. 7. [www.ashrae.org/sanantonio](http://www.ashrae.org/sanantonio)
- Dallas 2013 – Download/submit Technical Paper and Conference Paper abstracts, this closes Mar. 19. Technical Paper first submittal is due Apr. 16, Conf papers due July 9, website opens for seminar and forum proposals June 1. [www.ashrae.org/dallas](http://www.ashrae.org/dallas) There are currently 8 tracks for this conference, one track has 2 sub-tracks. See the website for more information.

Reminder - starting with the Dallas 2013 meeting Speakers, Board Members and CEC members will be required to pay a registration fee, currently anticipated to be approximately \$100. That is - ASHRAE will be eliminating the 'free admission' to the conference for speakers and others directly involved in the conference. ASHRAE will be charging everyone an admission fee, but the thought is that by eliminating 'freebies', the rate for everyone will be lower. The possibility of having free admission for one-day presenters is still being negotiated.

The submission of programs on the ASHRAE website requires the indication of a responsible TC. Starting with San Antonio, the final list of presentations and indicated TC will be sent to the TC Chairs and Program

subcommittee chairs. They will have 10 days to advise the CEC if their TC is not, in fact, responsible for the presentation.

The long anticipated speaker rating procedure will begin implementation for the Chicago conference. All speakers who receive an average evaluation score below 3.5 will receive a letter advising of their score and that subsequent scores must be improved. This should only impact around 5% of presenters. Receiving three such low average scores will require that the speaker receive speaker training prior to presenting again at an ASHRAE conference.

Conference Papers. John will follow up with Wayne regarding potential conference paper submission on hot process control techniques. A change to the Conference Paper review process is being instituted for the Dallas conference. The CEC will now be responsible for getting paper reviewers. This new process requires the initial conference paper submittal be considered final and all technical information and editorial corrections must be incorporated. Additionally, each TC should select/identify individuals to potentially review conference papers. As opposed to generating a separate list, Ken proposed that the entire TC be considered the list of potential reviewers for topics relevant to 5.8, with actual reviewers for any one paper to be determined based upon the specific subject matter.

Upcoming conferences were discussed. They are available on the ASHRAE website at <http://www.ashrae.org/membership--conferences/conferences>

### **Subcommittee Reports:**

#### **Handbook (John McKernan):**

As far as our TC 5.8 related chapters are concerned, we are up to date. No commitments are due to the Handbook leads at this time. John contacted David John, and he replied that "TC 5.8's chapters in HVAC Applications are due on April 19 and 26, 2014. Their liaison for that volume will be in touch, but that's close enough for this far out. (Don't have a Fundamentals chapter for TC 5.8.)" Galleys for our Handbook submissions will be forthcoming.

#### **Research (Wayne Lawton for Gerhard Knutson):**

Research needs to be conducted to support RP 744. TC 5.4 approved but didn't comply with objectives of ASHRAE strategic plan. RAC wants input

on effect of side drafts on capture hoods. Follow up with Wayne if there are questions or interest in these topics.

TC 5.4 will be providing a presentation with TCs 5.8 and 9.2 at conference in San Antonio, TX. The title of the presentation is "What do vent TCs do?" Wayne noted that abstracts for the Dallas conference are due in early February. What can TC 5.8 do for seminars or forums for Dallas for 5.8? Send your thoughts to Wayne at Wayne.lawton@Merrick.com.

**Program:**

No Report

**Standards (Deep Ghosh):**

IEEE 1635/ASHRAE Guideline 21 requirements for battery rooms. IEEE and ASHRAE are cooperating on a standard. ASHRAE 15 for chiller room requirements will address use of new refrigerants. TC 5.8 could provide input on this, and more research needs to be done to support the effort. Deep also asked the TC if they thought green technologies can be used for refrigeration technologies.

Martin Timm responded to Deep's report by indicating he is working on ASHRAE 15 and spoke about refrigerants. ASHRAE 34 and 15 are aware of the issues and are working together on this new change for ASHRAE 15. They will develop draft language around refrigerants for the standard for formal public review. Martin's group is also conducting a rewrite of refrigerant equations for ASHRAE 15 to consider. The refrigeration committee is forming a group for questions before 4.3 votes on approving the newly rewritten equations.

George Menzies asked if anyone on the current committee knew about the *Globally Harmonized System of Classification and Labelling of Chemicals*. Is anyone looking at the fact that the (GHS) rating system has adopted only 2 target levels – warning/danger vs our current caution/warning/danger. This will result in many cases, a more restrictive use category. Only US and Canada have not adopted the GHS yet – target date for implementation is 2015. One question to be considered is the GHS ratings will affect how to rate hazards and ventilation concerns for refrigerants and other products used in HVAC?

Deep also mentioned emission stack height calculations have changed between 2007 and 2011. TC 4.3 has purview to establish new standards for stack heights.

## **Website (Mike Baucom):**

Mike will be the webmaster going forward. Vern will be leaving that role. The TC 5.8 website is up to date, but will need to be freshened due to new ASHRAE logo and tagline.

## **New/Old Business:**

Wayne provided update on hazard spaces chapter/ handbook (it could be either one – to be decided later). He provided an outline that covers potentially hazardous spaces. Send comments on outline to Wayne within 2 weeks of the meeting. Comments will be addressed, and put out to committee for letter ballot. Send comments to Wayne.lawton@Merrick.com.

Bill Kumpf mentioned that information on international standards should be brought up at these meetings - see George's GHS observation above.

Wayne indicated that ASHRAE needs to pay more attention to the work and subject matter represented by the 5.8 and 5.4 technical committees. He mentioned possibility of removing 5.8 from ASHRAE to the section 5 leaders. The section 5 leaders hear this, and seem to have empowered us (5.8) to do more outreach at conferences and to other TCs.

Ideas for conference papers and presentations for upcoming meetings were also discussed.

Tom Axley suggested a write-up to clarify what 'green' is holistically, might be a good presentation for upcoming meeting.

Eric Studor commented on waste water treatment facilities in RI. He indicated that in his experience these facilities have poor/no exhaust ventilation for their processes. This is likely a widespread problem in waste water treatment plants. Possibility of research or papers.

Other possibilities are papers or presentations on air infiltration, and makeup air issues.[what have we learned]

Martin Timm mentioned he has Italian documents with calculations and suggestions for the proper use of natural ventilation. These may be a good source of information to publish as recommendations in the ASHRAE manual.

Li ju Mai (?), a student ASHRAE member to the TC meeting, provided information on his work with ventilation models. He is from the University of Illinois. He will be publishing his research at the upcoming Purdue ventilation conference. ASHRAE at this meeting encouraged student members to sit in on TCs

### **Announcements:**

The next meeting will be in San Antonio, TX. Date, time and location are forthcoming.

### **Adjournment**

Ken Mead moved for adjournment at 5:58 PM.

Respectfully submitted,

**John McKernan**