

# ASHRAE MEETING MINUTES – HAWAI'I

## TC 2.3 - Gaseous Air Contaminants/Removal Equipment Technical Committee (TC) Meeting

Tuesday, June 25, 2002

1:00 - 3:30 p.m.

Hawai'i Convention Center (Rm. 319A)

### NOTE:

**These are the official meeting minutes and have been approved.**

- The meeting was called to order at 1:15 pm by Chairman Paul Nelson. The attendees were:

Name	Email address
Paul Nelson (Chairman)	nelsonp@rjrt.com
Gemma Kerr	inair2@cyberus.ca
Brian Krafthefer	brian.krafthefer@honeywell.com
Charlene Bayer	charlene.bayer@gtri.gatech.com
Dean Tompkins	dtompki@facstaff.wisc.edu
Doug VanOsdell	dwv@rti.org
Karin Foarde	kkf@rti.org
Matt Middlebrooks	matt.middlebrooks@bbafiltration.com
Chris Muller	chris.muller@purafil.com
John Copley	jcopley@customfilter.net
Phil Winters	pwinters@filtrationgroup.com
Derald Welles	dwelles@ix.netcom.com
Marilyn Listvan	mlistvan@pmlink.com
H. Barney Burroughs	heburroughs@mindspring.com
H. Ezzat Khalifa	ez@ecs.syr.edu
Chang Sohn	c-sohn@cecer.army.mil
Eric Brodsky	elb@aprilair.com
Paula Levasseur	paula@cglcarbon.com
Mark Huza	huzam@camfilfarr.com
Don Thornbured	thornbured@camfilfarr.com
George Menzies	gmenzies@attcanada.ca
Chuck Rose	crose@aafintl.com

- Attendee' self-introductions were made.
- Roster check was made. Voting members present:

Paul Nelson, D. VanOsdell, B. Krafthefer, D. Tompkins, M. Listvan, C. Bayer, B. Burroughs, J. Copley, Gemma Kerr

(9 members of 14 were present: quorum was here, w/ 2 international members)

- Fred Lorch presented Paul Nelson with a certificate of appreciation for service as.

### **Chairman's Comments (Paul Nelson)**

- ASHRAE learning institute - TC 2.3 needs an education subcommittee liaison – Marilyn Listvan volunteered to be the education subcommittee.
- Donation to Research is requested.
- P. Nelson handed out the Atlantic City minutes:  
Comments on the minutes:
  1. No mention of the Handbook minutes is included in the Minutes.
  2. B. Krafthefer recommends that the minutes (attachments) from the subcommittee meetings be passed out with the TC minutes from the prior meeting.
- Motion made to approve the Atlantic City minutes and seconded:  
Voting: 9, 0, 0, 14

### **Subcommittee Reports Made:**

#### **Planning**

- No report made. (Eric Kiper, report given by Doug VanOsdell)

#### **Membership**

- ASHRAE biographical sketch forms are available on line. If you have not updated your bio-forms in the last 2 weeks, individuals are encouraged to submit new bio-forms. Old bio-forms are available if you call ASHRAE. ASHRAE is now doing (most) everything electronically. Rosters are set at the Winter Meeting. (Scott Hansen, report given by Paul Nelson)

#### **Program (Dean Tompkins, Chair)**

- The FORUM “IAQ Needs: Government/Military Facilities” (Moderator Brian Krafthefer) was well attended and generated good discussion, including IAQ needs of military families. The SEMINAR “Molecular filtration in clean rooms” (Chair Phil Winters) showed how GPAFE is providing new levels of cleanliness for developing technology.
- Program items for future meetings were prioritized through votes of attendees as follows:

#### **CHICAGO (Winter 2003)**

1. FORUM: IAQ Needs: Humid Environments (Bayer)

2. SEMINAR: Filtration for Chemical and Biological Agents (Krafthefer; w/ TC 2.4)
3. FORUM: SPS 145.2 Update: Test of Full-Scale Gaseous Contaminants (Muller)

KANSAS CITY (Summer 2003)

1. SYMPOSIUM: Review/Update on Odor (Krafthefer)
2. SEMINAR: Ventilation & Air Cleaning for ETS (Bayer/Muller)
3. SEMINAR: Filtration for Compliance w/ the IAQ Procedure of Stand. 62 (Muller)
4. SYMPOSIUM: VOC Emission / Adsorption (Emmerich, w/ TC 4.10)
5. SEMINAR: Ventilation for Bars, Restaurants and Casinos (Nelson)
6. FORUM: Measurements of Gas Phase Contaminants, who's kidding whom? (Lull)

ANAHEIM (Winter 2004)

1. SYMPOSIUM: Applications of UV Photocatalysis for Gaseous Contam. (Listvan)
2. FORUM: IAQ Needs: IAQ for prisons (Al Veeck, w/ TC 2.4)
3. SEMINAR: Filtration for Improved Indoor Air for Hospitals (Longton, w/ TCs 2.4 and 9.8)

Voting on Programs - Motion made, seconded, with voting results: 9,0,0,14.

**Handbook (Derald Welles, Chair)**

- Committee members looking to add more information to Chapter 44. Additional information will be submitted to Derald by Aug. 12, with a teleconference to discuss those changes on Aug. 26. Subcommittee recommended to full committee that the comments from all members be made at the Aug. 26 teleconference. In this way, all members of the committee will have 2 weeks (Aug. 12-26) to review the new chapter. A letter ballot will go out to all members thereafter to voting. (Derald Welles). Marilyn L. moved to have the committee to vote on the TC Handbook revision by letter ballot. Seconded by B. Burroughs. No discussion. Voting results: 9,0,0,14.
- Teleconference: 11:00 AM (Eastern Time), Monday, Aug. 26.; E-book will become the official handbook of the society. Brian Krafthefer will give the phone number to all who desire to participate in the teleconference, which will then be sent out by Doug VanOsdell to all committee members.

**Standards (Brian Krafthefer)**

- Poor turn-out at the (Hawai'i) Standards meeting suggested a change in the time-slot on early Monday evening. UPDATE on 145.1 – Chris Muller provided an update. DRAFT copies were provided at the meeting. ASHRAE Standards voted on 22 June 2002 to split SPC 145 into SPC 145.1, 145.2, and 145.3. There were 3 names submitted to the SPC 145 roster. Standard 145.1 – 4 main objectives were achieved: Approved Title, Purpose, Scope; Section 2, 3, and 4 were approved and will go out for vote by letter ballot. Section 5, 6, 7, 8 and performance report updates are forthcoming. Voting members are encouraged to be at the entire meeting held on Sundays (1 PM – 5 PM). C. Bayer suggested moving the SPC 145 meeting up to 12:00; C. Muller will act on this proposal with ASHRAE headquarters. Standard 62: Parts of the standard that are slowing up progress include air cleaning e.g., Addenda 62-Z (ozone cleaning); Addenda 62-H (IAQ procedure) is going out for 3<sup>rd</sup> review.

### **Research (Karin Foarde)**

- Update on 1098-RP (Gemma Kerr). Lots of data has been collected. Final Report in preparation.
- Dean Tompkins and Brian Krafthefer will work on cutting the Final Report of 1134-RP into manuscript form.
- 2002-2003 Research Plan:
  1. How Well Do Tests at High Concentration Reflect Low Concentration Results? (Matt Middlebrooks)
  2. Validation SPC 145.1 Proposed Test Method (C. Muller)
  3. Understanding Occupancy Odor and Developing a Simulant (B. Cain)
  4. Effectiveness of Filtration for ETS? (C. Muller)
- **High Risk Research** - Real Lab environment comparison tests of PCO vs. Carbon Filter (Flow, RH, Temp, multiple VOCs, pressure drop) (Marilyn Listvan, Brian Krafthefer, Nick Agopian)

Voting on Research Plan - Motion made, seconded, with voting results: 9,0,0,14.

- RTARs must be written and submitted to Bill Seaton by Aug. 1. Those writing the RTARs will need to get them into Karin Foarde by July 15, 2002. Top 3 choices will be sent to Bill Seaton.
- 1243 – TRP (Detection and Removal of Gaseous Effluents and Byproducts of Fungal Growth that Affect Indoor Environments: Phase II.)  
Bidders: AQS and Kansas State  
Motion was made to accept AQS and then seconded; discussion:  
Voting on AQS: 8, 0, 1,14  
Abstentia: Conflict of Interest

### **Publications (Marilyn Listvan)**

The ability to archive Indoor Air Proceedings back to 1985 has made some success and more positive developments to achieve archiving are anticipated. ASHRAE is developing an electronic means of preparing and reviewing Symposia on-line. This effort will go into effect on Aug. 1. Since Aug. 2 is the deadline for Symposia papers for Chicago, it is largely felt that this new on-line capability will be utilized more fully for the Kansas City meeting.

### **Website**

- Soon ASHRAE will have space for TC websites. Marilyn Listvan recommends keeping the current TC 2.3 web hosting site and not change to the ASHRAE hosting site. There is a link from the ASHRAE website to the TC 2.3 website. (N. Agopian was not present at the meeting.)

### **TC Liaison Work:**

- TC 4.10 Program is interested in emissions and adsorptions from VOCs. There is an RTAR (Modeling of VOCs adsorption of building materials and its impact on

**New Business:**

- TC 2.4 is having Brian put together a history of the past TC 2.4 research on how it has impacted ASHRAE, its members, and the HVAC industry. A similar effort will be made to archive TC 2.3 past research and to develop publications to promote past TC 2.3 research.

Meeting adjourned at 2:51 pm.