

TC 5.10 Main Meeting

Hyatt Regency, Greenwood C

June 25 2000 Minneapolis

Call to Order:

The meeting was called to order by Tom Carter at 5:10 pm.

Approval of Last Minutes:

The last minutes were voted to be approved moved by Rich Swierczyna and seconded by Steve Brown.

Old Business:

Mark Finck has been added as a TC 5.10 member and Kevin Knappmiller has been officially removed.

Subcommittee Reports:

Research Subcommittee:

There are several work statements in various stages of completion as listed below:

1. Work statement titled "Assessment of Replacement Make-up Air Options for Commercial Kitchen Exhaust Hoods" being rewritten,
2. Work statement titled "Effect On Commercial Kitchen Hood Performance of Appliance Diversity and Position" has been resubmitted to RAS with edits, Derek to put in Dick Kelso's mail box,
3. RTAR titled "Develop MOT to Determine Whether a Type I Hood is Required Over a Cooking Process" has been written and given to committee for review,
4. Draft work statement for "Indoor Air Quality in Commercial Kitchens" has been submitted to committee for review,
5. RTAR titled "Assessment of Cooking Effluents from Solid Fuel Cooking" is currently being written

The long term research plan for 2001/2002 consists of the following topics listed in priority:

1. Assessment of Replacement Make-up Air Options for Commercial Kitchen Exhaust Hoods
2. Indoor Air Quality in Commercial Kitchens
3. Develop MOT (Method of Test) to Determine Whether a Type I Hood is Required Over a Cooking Process

Don Fisher noted that the MUA has been on-going for 1 and ½ years and has been kicked back from RAS twice. Don suggested that this work statement be rewritten at this point to incorporate some of the findings from the Chicago lab study for the California Energy Commission. Acknowledged the current work and focus more on compensating hoods: short-circuit, backwall make-up, air curtain, face discharge, etc. This will focus the research efforts to provide better more data on fewer topics. The committee approved this action. The RTAR must be completed by August 1st.

Don Fisher asked for assistance on the MOT for Type 1 Hood RTAR. Rick Bagwell, Derek Schrock, and Tom Carter will assist.

1151-RP was awarded to CE-CERT to develop a Draft MOT to Determine Grease Removal Efficiency. Rick Bagwell will check with Bruce Zimmerman to determine if Bruce will still be active. Don Fisher volunteered to chair and Mark Finck will co-chair. Steve Brown, Derek Schrock, Rich Swierczyna, Rick Bagwell, and Alan Breitenfeldt volunteered for the PMS.

Tom Kuehn presented preliminary results on 1033-RP Effects of Air Velocity On Grease Deposition nearly completed. Final report will be submitted mid August.

Handbook Subcommittee:

Mike Ratcliff (Handbook Liaison) mentioned that they wanted to use Chapter 30 as a new multimedia case study. They also asked that the handbook be broken down into smaller self-contained units to allow ASHRAE to provide continuous maintenance. The first eight pages of the 2003 handbook were reviewed and the remainder will be reviewed by email. Subcommittee working groups also need to add new material and Vern Smith will contact them. Tom Carter noted that the main committee won't review the revised handbook chapter but will accept the vote of the Handbook subcommittee. The revisions will be mailed out to all TC 5.10 voting members but unless they are active in the subcommittee persons will not know what specific changes have been made. Tom suggested that all TC 5.10 members are noted as corresponding members of the Handbook committee and receive updated copies as work progresses.

The new 2000 ASHRAE books (e.g., Fundamentals, Systems, etc.) CD will be available as of July 12, 2000. It will be in a new format (Adobe Acrobat) for easier reading and faster download.

The aforementioned multimedia case study will look at adding color, hot equations, video clips, voice attachments, etc. This is to provide a more complete an interesting package for end users. We are also looking at attaching to the chapters papers, symposium reports, and working file as reference material.

ASHRAE is looking at selling Chapter sections separately for downloading over the internet to make information more accessible to the world market and generate additional revenue. If you have any other ideas that may be of help in this area please send them to Tom Carter via email (tomcarter@garland-group.com).

Program Subcommittee:

Chris Roseau chaired a seminar presenting Standard 154 on Commercial Kitchen Ventilation. Don Fisher is chairing a seminar on Monday on Kitchen Ventilation Insights including a presentation by the University of Minnesota on the preliminary findings of 1033-RP.

Rick Bagwell is chairing a symposium for the Cincinnati if the papers can get reviewed in time. The candidates for papers are:

1. Derek Schrock – Utilizing CFD for Commercial Kitchens
2. Rich Swierczyna – Backshelf Performance with Schlieren
3. Vern Smith and Don – Thermal cooking plume generator
4. Shawn Knapp – VFD Applications In kitchens
5. Bill Gerstler – Grease Deposition (will probably need to be used for 2002 with regard to being

completed by September 2000)

The deadlines for paper submissions for a Symposium in Cincinnati are September, 2000.

For Atlanta, we need a forum: candidates are Field Performance MOT, When Is A Type 1 Hood Not Required, IAQ In Commercial Kitchens. Forum applications are due August 4th.

By Cincinnati, Don Fisher wants to have another seminar. Derek Schrock volunteered to do a presentation on the topic of his choice.

Membership Committee:

John Clark noted that 5.10 is looking for new voting members. Please give your card to John if you want to be a voting or corresponding member. John Dixon asked to be a corresponding member.

Liaison Reports:

ASHRAE Learning Institute (ALI) is looking for more technical courses. ALI will help put these together with presentations and binders. These are 1 or 2 day courses. If you have ideas or information please send to Tom Carter via email. The committee suggested a course on kitchen HVAC design might be an excellent topic. Tom will supply a one-paragraph description tomorrow. Doug Horton asked how these could link with local seminars sponsored by ASHRAE chapters.

ASHRAE is also looking for candidates to be awarded for outstanding service on a technical committee. One person per section will be selected. This is the responsibility of the TC chair for submittal.

Forms are now available on CD for the TC chair.

People can now update their contact information on ASHRAE's web site. Please note that it is the individuals responsibility to update their personal address information. This can be done via email, fax, or the blue address card (available at ASHRAE headquarters).

For member information and reference material sixty-Five TC's are now recording minutes on the web.

A research subcommittee chair workshop will be held Monday at 6:30 am.

New Business:

Doug Horton asked about breaking up the main and subcommittee meetings over more than 1 day. Vern Smith noted that if people did their homework between meetings then the 1 day wouldn't be so stressful. Vern offered to put peoples email on their web page to facilitate communications. Tom Carter will work on getting a new schedule that has a one hour lunch built in. Please note that the 15- minute breaks between meetings need to be setup by the subcommittees to finish 15-minutes prior to the next meeting. This way, each new meeting can start on time and allow for the Liaisons to present their material.

Also try to keep symposiums and seminars on Monday mornings. Don Fisher noted that working groups could have a working committee meeting on Saturday to get work done before the official meetings start. Subcommittee chairmen, please arrange this separately.

ASHRAE requested that 2001-2002 Journal articles be submitted on topics in areas of expertise. Cutting

edge issues, case studies, and back to the basics are needed. If anyone has anything they would like to submit the contact is Fred Turner (Journal Editor) at 404-636-8400. Other topics can be suggested. If anyone is interested, please contact Fred directly.

Adjournment:

John Clark moved and Tom Carter seconded. The meeting was adjourned at 6:30 pm.

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