

**TC 5.10 Kitchen Ventilation
Main Committee Meeting Minutes
(Approved SLC June 22, 2008)**

Sunday, January 20, 2008
4:00 – 5:30p
Sheraton Hotel Riverside Ballroom (3rd Floor)
New York, NY

Attendees:

Randy Urness	Steve Brown	John Clark
Greg DuChane	Don Fisher	Greg Gress
Rick Bagwell	Frank Kohout	Jay Parikh
Derek Schrock	Rich Swierczyna	Mark Finck
Dwayne Sloan	Tom Carter	Rob Sellet
Brent Fullerton	Mike Morgan	Fuoad Parvin
Chester Raczewski	Russell Robison	Javier Trevino
Jackie Lagana	Tony Spata	Corey Machado
Chris Findlay	Allan Pirro	Glen Edgar
Gerrit Van Straten	Andrey Livchak	Jason Greenberg

Call to Order:

Chairman Steve Brown called the meeting to order at 4:45 pm.

Quorum Call:

The Chairman requested a quorum call, 11 of 13 voting members were present. Bob Ajemian & Ken Hutchinson were absent.

Approval of Last Minutes:

Motion by Bagwell to accept the minutes from the Dallas meeting, second by Parikh, vote unanimous. Two (2) exceptions brought to the committees attention by Jay Parikh. Corrections as follow under Old Business section:

First bullet item change “The UL STP...” to “A task group of the UL STP...” and sub-bullet two (2) of the first bullet change “UL710 will have...” to “A task force of UL 710- STP will have”

Liaison Report:

None

Announcements:

- TC 5.10 will be sponsoring the following seminars.

Seminar 24 Hilton Hotel – Rendezvous Trianon (3rd Floor_
How Feasible Is Sustainable Design in Commercial Kitchens?

Monday, January 21, 2008 @ 8:00 -9:30 AM

Chair: Donald R. Fisher

1. Sustainable Kitchen Design: The End User's Perspective – *Frank J. Kohout*

2. Food Service Energy Modeling & Verification: Will It Perform as Specified – *Vernon A. Smith*

3. Controlling Cooking Emissions: A Second Consideration for a Sustainable Commercial Kitchen –
Robert Ajemian

4. Application of LEED Design Principles to a Commercial Foodservice Facility – *Anthony J. Spata*

- Chair Breakfast Announcements:

- Handbook: Word versions of Handbook TC chapters are accessible on the ASHRAE website. Subcommittee chair will need to authorize reviewer's access. The new user name is **hndbkhero** with password **hvacrev**.
- Program: Abstract Central is a new software that replaces the prior online program submittal form. Submissions for Salt Lake City must be entered on Abstract Central. Submission deadline February 8, 2008. Link is <http://ashraeslc.abstractcentral.com/>
Roster: Members can access complete rosters of their committees on the ASHRAE website - bio update – My TC's.

Handbook Subcommittee Report:

- Subcommittee Chair Frank Kohout established a working group to develop a designer's checklist for addition to the handbook. Time was spent on checklist examples. Frank also assigned reviewers to check the 2007 handbook chapter for publication errors. Frank will forward a list of the working group, reviewers and responsibilities with time frame to the volunteers.

Research Subcommittee Report:

- Research subcommittee chairman Don Fisher and Derek Schrock reported on the activities of Research Subcommittee.
- PMS meetings were held on Saturday, January 19 for 1362 and 1375.

RP-1362: Revised Heat Gain and Capture and Containment Exhaust Rates from Typical Commercial Cooking Appliances is being worked on at the CKV Lab by Fisher-Nickel inc. /Architectural Energy. Final report to be completed prior to June ASHRAE meeting.

RP-1375: Grease Effluent Characterization from Additional Cooking Appliances is being worked on by the University of Minnesota. Draft final report is under review.

- RP-1480: Island Hood Energy Consumption and Energy Reduction Strategies bidders have responded and proposals are being evaluated.

- RTAR-1469: Thermal Comfort in Commercial Kitchens work statement has been submitted to RAC and returned with comments.
- RP-1376: Method of Test to Evaluate Field Performance of Commercial Kitchen Ventilation Systems voting members at Long Beach unanimously voted to award the project to the University of Minnesota. Tom Keuhn presented progress to-date report at this mornings' Research Subcommittee's meeting.
- Currently 15 projects on the Long Term Research Plan

Program Subcommittee Report:

Program Subcommittee Chairman Don Fisher announced the current and proposed upcoming program schedule.

Seminar Salt Lake City (June 2008)

Theme: Benchmarking

[Priority 1] Seminar "Benchmarking CKV Performance"

Chair: Derek Schrock

Don Fisher – Hood Performance Data

Virginia Lau – Kitchen Emissions Regulation

Tom Kuehn – Benchmarking Grease Filters

Dwayne Sloan – Existing & Future Requirements, UL710

Tony Spata – How do you Benchmark Sustainable Kitchens?

Randy Urness – Field Performance

[Priority 2] Forum "How Viable Is Kitchen Hood Recirculation?"

Chair: Cory Machado

Co-Sponsored Seminar with TC 4.1

C&C and Heat Gain information from RP-1362

Rich Swierczyna

Chicago (January 2009)

Theme: Sustainable Design

Seminar "Approaches to Smoke & Odor Control for Commercial Kitchens"

Chair: Bob Ajemian (Don Fisher -Backup)

1. Bob Ajemian – Smoke and Odor Control: the Design Challenge
2. Larry Nielsen – Quantifying Odors: How Do You Characterize
3. Gary Cox – ESP's and Pollution Control Units
4. Mike Morgan – The Role of Filters In Smoke and Odor Control
5. Bruce Lukens – Role of UV In Selection and Cost of Operation

Forum Chair: "Thermal Comfort In Kitchens – Are HVAC Systems Being Designed Properly?"

Greg DuChane

Louisville, paper deadline September 26th, 2008

Louisville Transaction – June, 2009: “New Findings in Commercial Kitchen Research”

Chair: Derek Schrock

- (1) Rich Swierczyna – Heat Gain Analysis
- (2) Rich Swierczyna – C&C
- (3) Tom Kuehn – Grease Emissions
- (4) Tom Kuehn – Condensable Grease Trap

Standard 154 Ventilation of Commercial Cooking Processes:

Work continued to define the working list of assignments for Standard 154 revisions. Members voted to eliminate short circuit hoods from Standard 154 with draft to be completed in a year with public review in summer 2009.

Membership Subcommittee Report:

Membership Subcommittee Chairman John Clark asked that people interested in becoming future voting members give him their card by January 22, 2008. TC 5.10 has very few users who are voting members. Three voting members will roll off following the June 2008 meeting (Spata, Hutchinson & Kohout)

Old Business:

Dwayne Sloan Provided Update on UL activities and Projects

- UL1046 - Members of the UL1046 Working Group met during last Winter's ASHRAE meetings. Since that time, revisions and suggestions were incorporated into the draft and circulated several times for improvements. The final draft was circulated to the official UL1046 Working Group and the Working Group will meet on January 21. The goal is to send the draft to the UL Standards Technical Panel (STP) where the STP Preliminary Review and Balloting process will begin. With successful voting and few challenges, the expected timeline would be between the Summer and Fall of this year.
- UL710 - Following several STP and Working Group meetings a small Task Force of 6 members have met twice to review UL710 Section by Section. The Task Force will meet again in March with hopes of completing their work, and advancing their draft to the UL710 Working Group. The Task Force will report its progress at the June 2008 ASHRAE meeting.
- UL710B - The UL710B proposal was balloted through UL's development process and did not receive consensus. Several negative voting members desire the Standard to address total grease emissions into the space. UL is awaiting a proposal from those voters, so that the document can go through the Summer.
- Outline 710C - Please be reminded that the Third Edition of Outline 710C has an effective date of March 2009.

Gregg Gress Provided Update on Current IMC Code Revision Cycle:

- IMC –Revisions to the 2006 edition with 2007 supplement. The code hearings for the IMC are scheduled for February 22 & 23, 2008 in Palm Springs Ca. The full schedule of hearings is available at www.iccsafe.org. Gregg asked for participation in the code change process and highlighted proposed revisions made by 5.10 members. In this cycle, 30 comments have been submitted for public review and comment that may impact the 2009 edition of the code relative to Commercial Kitchen Ventilation. The 30 proposed revisions are available upon request from 5.10 Secretary Greg DuChane and are available online at http://www.iccsafe.org/cs/codes/2007-08cycle/ProposedChanges/V2_M1-106.pdf

Steve Brown Reported on Presentation to 90.1

Steve Brown and Rich Swierczyna headed a work group that included Don Fisher, Derek Schrock, Tony Spata and Greg DuChane. The purpose was to remove language in the current 90.1 Exhaust Hoods section that supports short-circuit hoods. On behalf of TC 5.10 and the work group Steve Brown made the presentation to the 90.1 Mechanical Subcommittee on Saturday January 19, 2008 A 90.1 work group was established following the presentation. Subcommittee Chair Drake Erbe asked that 5.10 continue its work group and interface with 90.1 group to develop an official 5.10 proposal. It was hoped this could be completed in time to be voted on and approved by 90.1 at the upcoming Salt Lake City meeting.

The 5.10 work group agreed to continue working on this project. A motion was made by Bagwell and seconded by Parikh for 5.10 to approve working with the 90.1 work group to develop a proposal for new language for 90.1 Exhaust Hoods. Motion was approved by unanimous voice vote.

Tony Spata Reported on ASHRAE Standard 189

- 189.1 – Codification of LEED Design Criteria which includes food service language is up for 2nd public review with adaptation expected by the end of the year. TC 5.10 needs to ensure that definitions are consistent and use current terms. There are 900 comments and the second public review draft is available. TC 5.10 Volunteer Reviewers: Brown, Fisher, Swierczyna, Spata, Urness & Gress (Code Language)
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- UMC – Comment deadline is February 1, 2008. UMC is aligning with NFPA 96. NFPA liaisons are Frank Kohout & Mark Fink.

New Business:

- ASHRAE is requesting “best practices” and Design Guides
- TC 5.10 Sustainability Connectivity : Interfacing with ASHRAE 90.1 & 189 & 154 Standards
- ASHRAE needs a list of potential journal articles to have on file.
- ASHRAE articles needed with a list of reviewers to review journal articles which require TC 5.10 expertise. Reviewers include: John Clark, Rich Swierczyna, Tony Spata, Frank Kohout, Derek Schrock, Randy Urness, Rick Bagwell & Don Fisher.
- Webmaster reassignment from Derek Schrock to Rick Bagwell.

Adjournment:

The meeting was adjourned at 5:25 pm. Motion by Schrock, 2nd by Spata, vote unanimous.