

MINUTES
ASHRAE TC 5.10 KITCHEN VENTILATION
MAIN COMMITTEE MEETING
Sunday, January 18, 1998, 4:30 - 6:30 PM, Marriott Golden Gate C3

Joe Knapp called the meeting to order at 4:40 PM. Self-introductions were made. Announcements: There was an overlap in meeting time between SPC 154P and this meeting. A short meeting of SPC 154P was held before this meeting to clarify scope and set an agenda for future work. Later in this meeting, Jim Hildenbrand, ASHRAE Manager of Standards, will discuss the options for SPC 154P regarding the alternatives in developing the standard.

Kenneth Hutchinson has resigned as secretary. Joe thanked him for his many years of service as member and as secretary. Vernon Smith will be the new secretary. Jim Hildenbrand's position as Manager of Standards at ASHRAE will be filled by Clara Steck, whose position is turn will be open. Anyone interested in joining the ASHRAE staff in Atlanta should inquire at ASHRAE headquarters.

Minutes of the last meeting were sent via mail to all persons on the official TC mailing list (TC voting and corresponding members, ASHRAE liaisons, and visitors).

Motion: To approve last meeting's minutes. (Moved by Watier, Seconded by Harrod. Motion passed by voice vote (none against).

John Clark conducted a roll call of members; 15 of 18 voting members were present.

Absences: John Dixon, Lou Vogel, Bruce Zimmerman (He is undergoing chemotherapy.)

Membership

John Clark reported that we will have 2 members going from voting to corresponding status at the end of the June meeting. Joe Knapp and Kenneth Hutchinson will be off as voting members after the end of the June 1998 meeting. Two new voting members will be selected at the next meeting. Nominations may be forwarded to Joe Knapp.

The officers and committee chairs will be as follows after the end of the next meeting:

Chair: Rick Bagwell

Vice-Chair: Tom Carter

Secretary: Vernon Smith

Membership Committee Chair: John Clark

Research: Charles Claar

Program Committee Chair: Kevin Knappmiller

Program

Two forums are scheduled for this conference:

1. The Myth of Internal Compensating Hoods at 10:15 am -11:05 am Monday in Room Nob Hill B. Kevin Knappmiller, Chair.
2. SCAQMD Rule 1138 at 11:15 am Monday in Room Knob Hill B. Jill Whynot will give overview of the rule; Bill Welch will share some testing results. Dave Bixby, Chair.

Two kitchen ventilation related seminars are scheduled for this conference on Monday:

1. "Research and Design Experiences in Commercial Kitchen Ventilation", 8:00 am – 10:00 am in Knob Hill C. Don Fisher, Chair (Seminar 17)
2. "Designing Environmentally Friendly Restaurants and Pubs", Don Fisher, Chair. (sponsored by TC 5.5 Air to Air Heat Recovery) (Seminar 20)

Toronto Conference, June 1998

Symposium: Rich Swierczyna reported that we have 3 papers for the symposium.

1. Don Fisher: new heat gain numbers for kitchen appliances; some of this information was previously submitted to TC4.1 for use in Chapter 28 of the 1997 Fundamentals Handbook;
2. Derek Schrock: results from the grease extraction efficiency research under 851 RP.
3. Bill Welch: on test results related to effluent from chain-driven broilers.

Volunteers to review these papers should provide business cards to Rich Swierczyna by the end of this meeting. Kevin Knappmiller pointed out that Derek's paper is a technical paper; can the technical paper be presented as a symposium paper? During discussion of this point, several members stated that it would be beneficial to have the results of the 851 RP presented in the same session as the other papers related to kitchen ventilation.

Motion: To change the requirement for presentation of a technical paper by the 851 RP contractor to presentation of a symposium paper. (Moved by Fisher; Seconded by Bagwell. For 13, Against 1, Abstain 0, Chair not voting)

Kevin Knappmiller: Seminar: Case Studies of Internal Discharge Makeup Air Commercial Kitchen Exhaust Hoods. Abstracts are needed within a week after conference. In the "Myth of Internal Compensating Hoods" At the upcoming Forum on Monday, Kevin will try to find additional presenters for this seminar. Atma Advani, Tom Carter, and Don Fisher volunteered to make presentations. Forum: Kevin proposed a forum entitled "Does CFD have a role in Future Kitchen Ventilation Research?"

Program for the Chicago Conference

Dick Kelso: Symposium chair for Chicago. Tentative name for the Chicago symposium is "Developments in Commercial Kitchen Ventilation". (Dick Kelso's name was inadvertently dropped from the mailing list.)

Fuoad Parvin and Elliot Gordon will have papers for Chicago. The University of Minnesota research team will have a technical paper on 745-RP research that will be likely be ready for Chicago. If the technical paper is not ready, the research team will prepare a symposium paper. April 2, 1998 is the deadline for submission of papers; technical reviews must be completed by Aug 7th. (See attached schedule for deadlines for next three meetings.)

Motion: Approval of Program for Toronto & Chicago. (Moved by Bagwell; seconded by Claar. For 13, Against 0, Abstain 1)

Standards

Standard SPC 154P: Chris Rouseau, Chair of SPC 154P discussed the dilemma about developing a code language standard versus a design guideline. A significant amount of suggested material and ideas to be included in the standard are more appropriate for a design guideline. Therefore, SPC 154P voted to continue development of a code language standard; a separate document will become a design guideline. Jim Hildenbrand, Manager of Standards addressed the committee and visitors. He said that SPC 154P needs to request that the final code be placed in Standards committee queue for approval as a code language standard. Also attending this portion of the TC5.10 meeting was our liaison from the Standards Committee - SPLS, Mike Bilderbeck) Mr. Hildenbrand explained the differences among the various routes that SPC 154P documents could take:

1. Code-language standard that is submitted to ANSI for approval as a consensus standard. This is the most difficult path from an effort basis because of the requirement for public hearings and the difficulties in drafting code-language documents.
2. None-code language standard that is submitted to ANSI for approval as a consensus standard. Public hearings are required, but the language requirements are less rigorous and the final work product is not

suitable for adoption as a legally enforceable regulation.

3. Guidelines: developed by committee, balance is desired but not required and a public hearing is desired but not required.
4. Special Publication: requires less work and the only requirement is that a TC wants to sponsor it. However, the question that ASHRAE, as a Society, would ask is will it raise money as Special Pub?

There is a 5 year cycle on revision of a published standard that has been ANSI approved (with up to two waivers). ASHRAE Guidelines are not submitted to ANSI. ASHRAE has to move a standard to become an ANSI standard.

In summary the following types of documents are work products of ASHRAE Standards committees:

1. either a National Standard (code enforceable language or not)
2. a Design Guideline, or
3. a User Manual for interpreting the standard. Standards 62.1 and 90.1 will now have User Manuals to assist code enforcement officials understand the nuances of the standard.

Informative annexes or appendices may be part of a standard; however, they include a notice that the material is not enforceable. From a practical viewpoint less is better for end-users.

As a point of clarification, ASHRAE does not allow proposals to code-making organizations in ASHRAE's name (unless approved by BOD).

The main issue for SPC 154P is: should a code-language document for use by model code organizations be developed first or should a design guide be developed for use by practitioners? SPC 154P should send a letter to the Standards Committee to ask for permission to do a guideline first. Otherwise, the committee should wait until after the code language standard is approved and then submit a request to publish a guideline. Joe Knapp thanked Messrs. Hildenbrand and Bilderbeck for attending our meeting and explaining ASHRAE standards publications process. Joe also acknowledged Jim Hildenbrand's years of work as the manager of ASHRAE Standards and wished him good luck in retirement.

SPSS 62.2 liaison Dave Wolbrink gave an update on the continuing standards process. He recommends that we find someone to provide liaison to 62.1 Joe asked for volunteer, but no one immediately volunteered.

Handbook Subcommittee report by Tom Carter. The 1999 version update is now complete and we need to have a vote by this committee. Tom set up 4 new task groups within the subcommittee for the next edition to look at possible new items to be added. Motion: Recommended approval of subcommittee's submission and that revised draft will be forwarded to each voting member. (Moved by Knappmiller, Seconded by Claar and Bixby; Vote: For 13, Against 0, Abstaining 1)

Research Subcommittee report by Charlie Claar. The new research manual requires prioritized and not prioritized list without ranking. Charlie noted that 38 of 162 projects submitted at the last meeting were approved by Research Committee. There is plenty of money available for research. The Research Subcommittee is working on a new research plan for approval of the main committee. Eight projects have been identified for development of 1 page summaries.

Motion: Recommends that Final Report on 851 RP be accepted and that the interim report on 745 RP be accepted. (Moved by Claar, Seconded by Harrod. For: 14 against 0, abstain 0).

Joe Knapp discussed two additional items:

1. The forum on short-circuit hoods sponsored by TC 5.10 at this meeting has attracted attention from an industry trade group. The National Association of Ventilation Equipment Manufacturers (NAVEM) is holding a meeting on Wednesday to discuss the forum. Should we officially ask them to join us? Agreed by consensus that Joe should invite them to attend and participate TC5.10.
2. TC 5.10's subcommittees and main committee currently meet on Sundays. Many members of these committees are also involved in SPC 154P. At this meeting there was a conflict between the SPC 154P meeting and the main committee meeting. Should we request that the main committee meeting be moved to Monday? Several members stated that they would have conflicts with other committee meetings. Motion: To keep the main committee meeting on Sunday at its present time slot. (Moved by Bixby, Seconded by Knappmiller. For 12, Against 1, Abstain 0, - one member absent from the meeting at this point)

New Business: none.

Joe Knapp called the meeting into executive session to vote proposals for 1033-RP and requested that corresponding members and visitors leave the room. Under executive session, Don Fisher reviewed the evaluations of the subcommittee. Motion: To award 1033 RP on investigation of duct velocity in grease extraction ductwork to University of Minnesota, Tom Kuehn, principal investigator. (Moved by Gordon, Seconded by Check. For 13, Against 0, 1 member absent from the meeting)

The meeting was adjourned at approximately 6:30 PM.

PROCESS SCHEDULE FOR SUBMITTING PAPERS TO ASHRAE

Meeting Location Tech Paper submit date All Papers and Sessions Complete Date Meeting Date

Toronto 3-Oct-97 13-Feb-98 18-25 Jun 98

Chicago 2-Apr-98 7-Aug-98 23-27 Jan 99

Seattle 2-Oct-98 12-Feb-99 19-23 Jun 99

The above dates are drop dead dates. The following are recommendations:

Symposium Schedule Months before meeting

Call for Papers	12
Abstracts Due	10
Full Papers Due	8
Review Complete	6

Seminar and Forum packets should be completed 6 months (one meeting ahead) of intended meeting date.