

DRAFT
**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,
 INC.**
 1791 Tullie Circle, N.E./Atlanta, GA 30329
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TC/TG/TRG MINUTES COVER SHEET

(Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/TRG NO TC 5.11 DATE May 16, 2005

TC/TG/TRG TITLE Humidifying Equipment

DATE OF MEETING February 7, 2005 LOCATION Orlando, FL

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Pat Graef	03	Michael Shows	03	Annette Dwyer
Gary Berlin	04	Joseph Carneletto	04	Larry Hughes
Ricardo Lira	02			Robert Grattage
Scott Herr	02			
Earl Lewis	01			
James Bucholtz	03			
Joel Solis	03			

DISTRIBUTION

All Members of TC/TG/TRG plus the following:

TAC SECTION HEAD:	Daniel Int-Hout
TAC CHAIR:	William Bahnfleth
ASHRAE MANAGER OF TECHNICAL SERVICES:	Mike Vaughn
ALL COMMITTEE LIAISONS AS SHOWN ON TC/TG/TRG ROSTERS:	

ADDITIONAL DISTRIBUTION

MANAGER OF STANDARDS MANAGER OF RESEARCH	Claire Ramspeck Bill Seaton
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DRAFT
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ASHRAE TC 5.11, Humidifying Equipment
Opryland Hotel, Nashville, Magnolia Boardroom A
Monday, February 07, 2005

I. CALL TO ORDER BY CHAIRWOMEN PAT GRAEF

Chair Pat Graef called the meeting to order at approximately 2:15 p.m. A roll call was held, seven (7) of the eight (9) members were present, establishing that a quorum was available to conduct committee business.

II. APPROVAL OF MINUTES

Mr. Gary Berlin moved to approve the Monday, June 28, 2004, meeting minutes. Ricardo Lira seconded. The motion carried (6,0,0).

III. ANNOUNCEMENTS

The Chair reported the following items of interest:

- ASHRAE announced the release of the committee membership rules.
- ASHRAE will be holding a one-on-one training session concerning web-site development. In addition, it has agreed to allow each TC to have a list sever.
- At the section chair meeting, it was stressed that agendas needed to be sent out 30 days before a scheduled meeting and the resulting minutes distributed 60 days after the meeting. Membership rosters are due two weeks after each meeting. In addition, all the TCs were asked why they had not submitted a candidate to the High Tower Award.

During discussion, Mr. Gary Berlin had expressed concern that the ASHRAE/REHVA Technical Committee Matrix failure to mark several committees as relevant to TC 5.11.

IV. LIAISON REPORTS

A. Handbook

Mr. Ricardo Lira reported that an electronic version of the Handbook chapter had been provided to members. He asked members to provide him with examples of design applications and generic calculations by May 31, 2005, in time for the ASHRAE Annual Meeting in Denver. The revised handbook, he stated, would need to be submitted to ASHRAE by the end of 2006 to be incorporated in the next release.

Mr. Doug Fitts, ASHRAE Handbook Liaison, reported that May 2006 was the deadline to submit final drafts of the handbook to ASHRAE and that February 11, 2006, was the deadline to have revisions included in the CD version of the handbook. He also reported that ASHRAE was holding a session for Handbook chairs this Sunday from 8:00 to 9:00 am. In addition, he reported that if one was to

include information from ASHRAE Transaction in the Handbook, one would need to validate the references and obtain approval to use copy write materials.

B. Website

Mr. James Bucholtz reported that he had uploaded the committee's web material onto ASHRAE's new web-sever.

C. Program

Mr. Robert Grattage reported on the following seminar topics for Chicago:

- Reduce static in paper and coating combined with innovative benefits (Gary Berlin)
- Humidity effects in automobile painting (Pat Graef)
- Design considerations of hospital and operating suites (James Bucholtz)
- The effects of humidity on medium fiber board (Joseph Carneletto)
- The behavior of various qualities of water on electric humidifier (Ricardo Lira)

D. Standards

Mr. Gary Berlin reported that SPC 164P, *MOT/Capacity and Air Pressure Drop of System Humidifiers for Residential Applications*, met earlier today. The SPC received approval of the standard's title, purpose and scope. He expects the draft standard should be ready for public review after one more meeting of the SPC. During discussion, the Chair agreed to approach Intertek Testing Services and have them review the current draft of the standard as it concerns the test set up. And Mr. Joel Solis agreed to review the air flow equations.

The Chair then reported on SPC 178P, *MOT/Humidifiers for Commercial Applications*. She stated that the SPC was in the process of reviewing ARI 640, *Commercial and Industrial Humidifiers*, to identify what material could be included into the MOT. However, the work is preliminary since the SPC was not yet an official committee. She then proceeded to review the membership status of the current members, explaining the problems with some of the membership submissions to ASHRAE.

E. Research

Mr. Fred Kohloss, ASHRAE's Research Liaison, explained why the TC's RTAR to update Mr. Elia Sterling's work on optimum relative humidity levels for health was rejected. He recalled, the project was to do a literature search and update the Sterling chart. He opined that the research committee believed that work statement only required redoing Mr. Sterling's prior work in a revised format. He suggested

that the TC should focus on one part of the research, either the part which concerns molds or doing a study concerning respiratory illness and the cost to productivity. In addition, he reported that after September, the research committee will begin excepting RTARs three times a year instead of one a year.

During discussion, the Chair stressed that the scope of the Sterling chart only concerns health, not comfort. The RTAR sought to expand the scope of the prior work to consider comfort. The results would be useful to design engineers as to why humidity levels need to be maintained. She suggested that the committee consider doing a special publication using outside money.

V. OLD BUSINESS

Concerning the committee roster, the Chair reported:

- That she and Mr. Earl Lewis would be rolling off the committee roster.
- Mr. James Bucholtz would move to Chair in July.
- Mr. Lewis would serve as the research subcommittee chair.
- Mr. Gary Berlin would continue serving as the standards subcommittee chair.
- Mr. Ricardo Lira would continue serving as the handbook subcommittee chair.
- Mr. Larry Hughes would be rolling onto the roster and will serve as programs subcommittee chair.
- Mr. Robert Grattage will continue as a corresponding member.

VI. NEW BUSINESS

None.

VI. DATE AND PLACE OF NEXT MEETING

The Chair announced that the next meeting of TC 5.11 would be held in conjunction with the ASHRAE Annual Meeting in Denver, June 25-29.

VII. ADJOURNMENT

It was motioned by Mr. James Bucholtz, seconded by Mr. Gary Berlin

VOTED: TO ADJOURNED THE MEETING AT APPROXIMATELY 4:05 p.m.
(7,0,0)