

" These draft minutes have not been approved and are not the official, approved record until approved by this (council/committee)."

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,
INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400**

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 February 13, 2006

TC/TG/TRG TITLE Humidifying Equipment

DATE OF MEETING January 23, 2006 LOCATION Chicago, IL

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Berlin, Gary (Standards)	04	Shows, Michael	03	Billedeaux, Bruce
Bucholtz, James (Chair, Web Master)	05			Graef, Patricia
Carneletto, Giuseppe	04			Grottage, Robert
Dwyer, Annette	05			Lewis, Earl (Research)
Herr, Scott	02			Pasch, Roger
Hughes, Larry (Program)	05			
Lira, Ricardo (Handbook)	05			
Solis, Joel (Secretary)	03			

DISTRIBUTION

ALL MEMBERS OF TC/TG/TRG

TAC Chairman: _____ Open

TAC Section Head: _____ Open

LIAISONS

Chapter Technology Transfer: _____ Michael Circosta

Handbook: _____ Edward D. Fitts

Journal: _____ Open

Program: _____ Open

RAC Research: _____ Frederick H. Kohloss

Special Publications: _____ Kimball E. Ferguson

Standards: _____ John F. Hogan

TEGA: _____ Open

MANAGER OF RESEARCH/TECHNICAL SERVICES: _____ Michael R. Vaughn

MANAGER OF STANDARDS: _____ Claire B. Ramspeck



Meeting of
TC 5.11 Humidifying Equipment
Palmer House Hilton, Chicago, ILL
Monday, 23 January 2006

I. CALL TO ORDER BY CHAIRMAN JAMES BUCHOLTZ

Chairman James Bucholtz called the meeting to order at approximately 2:20 p.m. The Chairman welcomed everyone. Members, guest, and ASHRAE Committee liaisons then proceeded to introduced themselves. A roll call was held, seven (7) of the nine (9) members were present, establishing that a quorum was available to conduct committee business.

Note: Mr. Joseph Carneletto arrived to the meeting after the roll was called.

II. APPROVAL OF MINUTES

The Chairman asked members to review the minutes of the 30 June 2005 meeting and to suggest any changes. Hearing none, it was motioned by Mr. Scott Herr, seconded by Mr. Joel Solis, to approve the draft minutes. The motion was carried (7,0,0).

III. ANNOUNCEMENTS

The Chairman reported the following items of interest:

- Theme for the next ASHRAE meeting is "Come in from the Cold."
- ASHRAE has limited future presentations from 1½ to 2 hours with a minimum of 2 and no more than 3 speakers.
- The committee was the sponsor for Sunday's Seminar 16. The title of the seminar was "Innovative Benefits of Humidification." Topics included: "The Benefits of Reducing Static in Paper and Coatings", "Humidity Effects in Automobile Painting", "Design Considerations for Hospital and Operating Suites", "The Effects of Humidity on Medium Fiber Board", and "The Behavior of Various Qualities of Water on Electric Humidifiers."
- ASHRAE will be unveiling a new membership database. At issue is a potential for a member's biographical data to get lost during the transition. ASHRAE is asking its members to review their biography for accuracy.
- The Heat Pump Newsletter has placed a call for volunteers to assist in a scoping study regarding sustainability. Each of the technical committees are asked to provide a volunteer to support the effort.
- ASHRAE Standard 62.2, *Ventilation and Acceptable Indoor Air Quality in Low-rise Residential Buildings*, has asked to include a proposal for humidity requirements.
- ASHRAE has placed a call for volunteers to join its Technical Activities Committee (TAC). Volunteers should have served as a technical committee chair.

IV. LIAISON REPORTS

TAC Section Liaison, Mr. Gaylon Richardson, confirmed that the committee has not requested any help.

ASHRAE Handbook Liaison, Mr. Edward Fitts, reported that the committee's revised handbook chapter is due May 2007. The handbook chapter will change from Chapter 20 to Chapter 19. He also reported that the author's guide has been revised. He asked to be provided with a copy of the revised chapter between now and the May 2007 cut off date. Materials to update the CD are due by the end of January.

V. SUBCOMMITTEE REPORTS

A. HANDBOOK COMMITTEE – RICARDO LIRA

Mr. Ricardo Lira reported that May 15, 2006, was the deadline to submit a final draft of the revised handbook chapter to ASHRAE. The committee will need to approve the draft revision at its next meeting scheduled for Quebec City. He reminded the committee that a review of the current edition of the chapter by ASHRAE was unfavorable and questioned the value of further publication. He asked members for their help and ideas concerning the need to update the drawings using AutoCad or Inventor, as well as updating the controls which were old and to provide good examples. Drawing need to be as generic as is possible and drawn in Isometric view.

- Mr. Scott Herr agreed to provide input concerning controls.
- Ms. Pat Graef reported she had already provided input on controls which Mr. Lira acknowledged and said that he would incorporate it into the chapter.
- Messrs. Gary Berlin and Larry Hughes would provide examples concerning design considerations. Mr. Lira commented that the examples include the placement of the humidifier in the system as well as deal with the issue of dispersion.

B. WEBSITE – JAMES BUCHOLTZ

Mr. James Bucholtz reported that he had updated the website with the prior meeting minutes and the announcement of today's meeting. He is currently waiting for ASHRAE to provide member passwords which will provide access to the "members only" portion of the website.

C. PROGRAMS – ROBERT GRATTAGE & LARRY HUGHES

Mr. Larry Hughes reported on committee sponsored seminar titled: Benefits of Humidification. He commented that the audience seemed to enjoy the technical

aspect of the presentations such as the results of Mr. Lira research as well as Mr. Bucholtz's paper on hospitals. Taking the lessons learned from Chicago to Quebec City, he suggested the theme of the symposium should be on using controls targeted towards end users. In addition, he suggested using plenty of pictures to tell the story. After further discussion, the topic was refined as follows:

- Symposium: Dew point Vs. Humidity Sensor

Ms. Pat Graef agreed to present a paper on "Achieving and Maintaining Humidity Levels," Mr. Gary Berlin agreed to present a paper on "Humidity Controls in the Printing Industry," and Mr. Scott Herr agreed to present a paper on "Humidifier Applications." Mr. Hughes reported that February 10th is the cut off date for submitting a request to hold a symposium for Quebec City. As such, he will be contacting potential presenters for a synopsis.

D. STANDARDS – GARY BERLIN

Mr. Gary Berlin reported that SPC 164P, *MOT/Capacity and Air Pressure Drop of System Humidifiers for Residential Applications*, met earlier today. He expects the draft standard should will be finalized this June in Quebec City. Afterwards, the draft standard would be sent out for public review.

Mr. Berlin also reported on SPC 178P, *MOT/Humidifiers for Commercial Applications*. The Title, Purpose, and Scope of the standard development committee has been approved. In addition, the committee has achieve representational balance and has garnered the approved by ASHRAE to commence holding official standard development meetings. While work on the draft standard is just beginning, one issue surfaced during meeting and will need further attention concerns humidification systems versus steam dispersion. During discussion, Mr. Scott Herr reported that he would submit an application to participate in the standard's development. Mr. Berlin reported that Mr. Mark Paquette (Intertek Testing Services) will stay on the committee as a guest.

E. RESEARCH – PAT GRAEF/EARL LEWIS

Mr. Earl Lewis agreed to revise the RTAR to update Mr. Elia Sterling's work on optimum relative humidity levels for health. Shortfall identified with the RTAR as is currently drafted is that it needs to better substantiate what ASHRAE will get out of the research. In addition, the committee should pursue co-funding with ARTI. Ms. Pat Graef agreed to look up studies on viruses and humidity levels that were five years old or less.

VI. OLD BUSINESS

None.

VII. NEW BUSINESS

None.

VIII. DATE AND PLACE OF NEXT MEETING

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

IX. ADJOURNMENT

It was motioned by Mr. Gary Berlin, seconded by Ms. Annette Dwyer, to adjourn the meeting at 4:15 pm.