

**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 July 29, 2004

TC/TG/TRG TITLE Humidifying Equipment

DATE OF MEETING June 28, 2004 LOCATION Nashville, TN

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Pat Graef	03	Michael Shows	03	Gary Berlin
Robert Grattage	03			Jon Bingaman
Ricardo Lira	02			Larry Hughes
Scott Herr	02			Elia Sterling
Earl Lewis	01			Joseph Carneletto
James Bucholtz	03			Dan Int-hout
Joel Solis	03			Doug Fitts

**DISTRIBUTION**

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

TAC SECTION HEAD:	Daniel Int-Hout
TAC CHAIR:	Mark Hegberg
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 MINUTES

### **ASHRAE TC 5.11, Humidifying Equipment** Opryland Hotel, Nashville, Magnolia Boardroom A Monday, June 28, 2004

#### **I. CALL TO ORDER BY CHAIRWOMEN PAT GRAEF**

Chairwoman Pat Graef called the meeting to order at approximately 2:15 p.m. A roll call was held, six (6) of the seven (7) members were present, establishing that a quorum was available to conduct committee business.

#### **II. APPROVAL OF MINUTES**

Mr. Robert Grattage moved to approve the January 26, 2004, meeting minutes. Scott Herr seconded. The motion carried (6,0,0).

#### **III. ANNOUNCEMENTS**

The Chair asked members to attend Forum 18, *Research Strategic Planning for 2004 and Beyond*, which will discuss ASHRAE's 10 year research plans. In addition, the Chair reported that ASHRAE seminar presentations will be recorded and available for purchase to the membership as well as the general public. The presentations are to be web cast from ASHRAE's web site as a streaming video. A discount will be offered to paying conference attendees.

Mr. James Bucholtz reported that ASHRAE has revised its e-mail aliases policy. Aliases's suffixes will change from ".net" to ".org". Anyone needing to send e-mail to the Chair should send such correspondence to "TC511.net".

#### **IV. LIAISON REPORTS**

##### **A. Handbook**

Mr. Ricardo Lira reported that the next update to the committee's handbook chapter is due by 2007. According to Mr. Lira, the handbook will need to be updated based on comments received from an independent outside reviewer. The update should include universal drawing symbols, the Sterling Chart, and absorption distances. During the discussion, the committee reached a general consensus that the handbook should go beyond systems and include a discussion of how to design systems. Mr. Lira agreed to send a pdf file of the chapter to the Chair to see if it can be translated into a word document. If successful, Mr. Lira will distribute the file to various committee members for collaboration.

## **B. Website**

Mr. James Bucholtz reported the ASHRAE server is to be replaced. The new server is expected to provide faster internet access and additional memory. In order to accommodate the replacement, he will be saving the committee's web contents and will upload it to the new web sever once it becomes functional.

The Chair commented that the committee is one of a few technical committees with a web page and thanks Mr. Bucholtz for his efforts. After a brief discussion, the Chair asked to have copies of standard development minutes available on the password protected portion of the committee's web page.

## **C. Program**

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

- Cost of lost materials from improper humidity control
- Associating energy efficiency to humidity technology
- Cost of production of proper humidity control
- The effects of humidity on medium fiber board (Joseph Carneletto)
- Improving production through the process of humidification (Joseph Carneletto)

Additional seminar or forum topics include:

- Reduce static in paper and coating (Gary Berlin)
- Humidity effects in automobile painting (Pat Graff-alternate)
- Design considerations of hospital and operating suites (James Bucholtz)
- Humidification and mold issues
- Innovative benefits (Gary Berlin)
- Source of mold in residential humidifiers
- Electric humidifier behavior using various qualities of water (Ricardo Lira)
- A cost comparison and the benefits of various types of humidifiers

## **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 that after the next meeting of the SPC the draft standard should be ready for public review. In addition, the Chair agreed to approach Intertek Testing Services to review the current draft of the standard concerning the test set up.

The Chair reported that SPC 178P, *MOT/Humidifiers for Commercial Applications*, held its kickoff meeting prior to SPC 164P. The standards title, purpose and scope

was drafted and will be submitted to ASHRAE's Standards Committee for approval. The Chair asked committee members to volunteer to participate in the standard's development.

#### **E. Research**

Mr. Bob Grattage reported that the RTAR to update Mr. Elia Sterling's work on optimum relative humidity levels for health was rejected. He suspects the rejection was based on the low cost to execute the RTAR and that its scope was limited to a literature search. The committee agreed to allow Mr. Sterling to revise the scope to increase the level of work by including an economics and dew point analysis. He also agreed to revise the justification accordingly. The Chair noted that a revised RTAR would need to be submitted by August 2004 in order to have it considered for funding next January. Should the RTAR receive approval, a work statement will need to be submitted by next June 2005.

#### **V. OLD BUSINESS**

None.

#### **VI. NEW BUSINESS**

After going through the roll off roster, the Chair reported that changes to the committee membership will become effective after the Annual Meeting.

The TAC representative to the committee alleviated concerns with ASHRAE's policy of recording seminars by reviewing two key policy points. First, only those speakers granting ASHRAE rights to replay their presentation will be provide for viewing. Secondly, the software version of the presentations would not be provided. The representative mentioned that ASHRAE is considering providing recorded seminar presentations beginning next year for free to its members as a membership benefit.

Doug Fitts, Handbook liaison, thanked the committee for getting changes to the handbook in on time. He also reported that the committee should continuously review the contents of handbook as there was now a way to update it through the CD-Plus version of the handbook. He suggested that the handbook chapter should have plenty of examples, provide designers with system guidelines and performance ranges.

**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 ASHARE 2005 Winter Meeting, scheduled for January 14-18, 2005, at Orlando, Florida.

**VII. ADJOURNMENT**

The meeting adjourned at approximately 4:15 p.m.

