

***These draft minutes have not yet been approved by the Technical Committee.
They will not be the official minutes until approved at the subsequent meeting.***

**AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR-CONDITIONING ENGINEERS, INC.**

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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 NO TC 8.12 DATE 1/31/2011

TC TITLE Desiccant Dehumidification Equipment and Components

DATE OF MEETING 1/31/2011 LOCATION Las Vegas, NV

VOTING MEMBERS PRESENT	YEAR APPTD	In Attendance	Absent	Email address
Stan Slabinski	08	X		sslabinski@kathabar.com
Steve Brickley	07	X		steve_brickley@munters.com
Lew Harriman	08	X		lewharriman@masongrant.com
Bill Griffiths	09	X		wcg@humiditycontrolconsulting.com
Ronnie Moffitt	09		X	rmoffitt@trane.com
Norm Maxwell	09	X		Normm1@verizon.net
Deepak Pahwa (International)	05	X		dpahwa@pahwa.com
Milton Meckler	08	X		mmedder@designbuildsystems.com
CORRESPONDING MEMBERS & GUESTS		In Attendance		Email address
Doug Kosar (CM)			X	douglas.kosar@gastechnology.org
Andy Lowenstein (CM)		X		ail@ailr.com
Rick Hermans (Section 8 Research)		X		Rick.hermans@mcquay.com
Rich Sweetser (CM)		X		rsweetser@exergypartners.com
William Worek (CM)		X		wworek@uic.edu
Wayne Caudle (Std Chair)		X		wcaudle@rotorsource.com
Rich Wolcott (CM)		X		richwolcott@msn.com
Mike Harvey (CM)		X		mharvey@kathabar.com
Bill Lull (CM)		X		ASHRAE@garrisonlull.com
Paul Piper (CM)		X		ppieper@venmarces.com
Dave Simkins (CM)		X		dsimkins@munters.com
Bill McQuade (Section Head)		X		William.f.mcquade@jci.com

Charlie Cromer (CM)		X		Charlie@fsec.ucf.edu
Dane Christensen (CM)		X		Dane.christensen@nrel.gov
Nelson Fumo (Guest)		X		

Charlie Waddell (Secretary)		X		cwaddell@driamerica.com
Ali Al-Alil (CM)		X		aalalili@umd.edu
Jordon Clark (Guest)		X		Jdclark34@gmail.com
Dharam Punwani (CM)		X		dpunwani@avalonconsulting.com
Louay Chamra (CM)		X		
Trevor Wende (Guest)		X		trevor@advantagesystems.com
Danny Furkosh (Guest)		X		dan@ducool.com
Gershon Grossman (CM)		X		grossmng@technicon.ac.il

DISTRIBUTION

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

TAC SECTION HEAD:	William McQuade (SH8@ashrae.net)
TAC CHAIR: Charles Wilkin	(TAC Chair@ashrae.net) :CBW200comcast.net
ASHRAE MANAGER OF TECHNICAL SERVICES:	Tara Thomas [tthomas@ashrae.org]
ALL COMMITTEE LIAISONS AS SHOWN ON TC/TG/TRG ROSTERS:	Harris Sheinman (Hdbk Liaison 2012 (Systems & Equip) ??? (Program Liaison) ??? (Chapter Tech Transfer Liaison) Martin Dieryckx (Standards Liaison) SL8@ashrae.net Rick Hermans (RAC Research Liaison) RL8@ashrae.net David Yuill (Fund. Handbook Liaison) SL8@ashrae.net
MANAGER OF STANDARDS MANAGER OF RESEARCH	Stephanie Reiniche (sreiniche@ashrae.org) Mike Vaughn-Staff Liaison (mvaughn@ashrae.org)

Minutes of the ASHRAE TC 8.12 Meeting

Las Vegas, NV – Monday, January 31, 2011

- 1) Meeting was called to order by Chairman Slabinski at 2:06pm. Roll call of members and introduction of guests, as shown above. Agenda and members list distributed.
- 2) TC scope review by Stan Slabinski
- 3) Introduction of TC officers, members and guests introduced.
- 4) Roll call of voting members 7 of 8 present, quorum present.
- 5) Review and acceptance of meeting agenda.
- 6) Motion by Harriman to approve New Mexico meeting minutes, seconded by Lull, vote 6-0-0 CNV minutes approved.
- 7) Reports from Liaison – Carol Marriott – SRS – standards reaffirmation subcommittee, Std 139 is cognizant to TC 8.12. Carol wants TC to recommend updating the informative language in Std 139. Standards committee is stringent on mandatory language and Carol will help with updating. Carol wants TC to update references and the mandatory language. Wayne Caudle said the

standard is mature and is incorporated into the AHRI test procedures. Caudle stated the TC is not changing the intent of the standard. This has been reviewed twice by the committee. Caudle has no problem creating another group and wants to accomplish the goals, but has concerns about arbitrarily changing language. Caudle made an example where changing the language will change the intent of the scope. Section 8.2.4 statement has a problem as its open ended.

8) Section 8 News moved to New Business

9) **Subcommittee Reports:**

A. Research- Bill Griffiths:

1. Dr. Fumo reported the project scope and design conditions for “Selection of Desiccant Equipment at Altitude”. DRI software was being used because it included altitude correction to predict performance. Bill Griffiths confirmed how the sheets worked. Deepak Pahwa stated the software provides mathematical models and can be tweaked to match actual measured points at altitude. Mr. Pahwa stated the labs need to correlate their testing equipment to prevent further data errors. Meckler confirmed testing is being completed by having a test standard on the sensors. Bill Lull brought forth a question as to a higher regen temp meant less altitude variance. Lew Harriman made comments to simplify the handbook and make it user friendly. In addition, students / consultants could help with the multiple points. A three month extension for testing was brought up.
2. DOAS – 1456 project – Lew Harriman said a design guide for DOAS is in the works and approved via work statement 4.
3. 1566 Evap Calc project – Led by TC 8.10 – simplified equations for determining evap rates from wetted surfaces – research approved, but now must be broken down into different sizes.
4. New Research - Ideas on new research are regenerative gas testing RTAR, 145.1 test rig could be used. No interest in dirty sock syndrome from Bill Lull. A new study of current desiccant materials and what they adsorb and desorb from the air stream.

B. Handbook – Steve Brickley:

1. Relates to 2 handbook chapters 23, 32 systems and equipment and fundamentals. Committee needs to approve or amend for chapter 23. Minor revision in 2008, approx 6 changes total. Changes did not make it into handbook although they were approved in 2008. Suggestions to change language in regards to liquid desiccant and grammar presented. Lew Harriman commented to change “indefinite” to something else. The new wording will be suggested by Bill Worrick and Steve Brickley. Trevor Wende suggested to change the diagram for the liquid desiccant system. Lew Harriman made a motion to change language as proposed in meeting and Bill Worrick seconded it. Motion carried, Vote 6-0-0 CNV.
2. David Yule is the Fundamentals and Handbook Liaison. David stated that changes are due by 3/2012.

C. Program:

1. Low dew point applications session rejected. There will be eight tracks in Montreal. During the Section 8 breakfast Stan was told the quality of the abstract or room available may have caused the proposal to be rejected.

Stan requested having a subcommittee meeting for topics to submit to Montreal tracks - February 14 was the deadline for Montreal.

D. Standards: See comment under item 7, Liaison Report

E. Membership:

1. Officers starting 7/1/11-Norm Maxwell , Chairman, Wayne Caudle as Vice Chair , Charlie Waddell as Secretary, Bill Griffiths as Research Chair and Wayne Caudle as Subcommittee Chair.

10) Old Business:

1. None.

11) New Business:

1. None.

Meeting Adjourned at 4:15 pm.

Charlie Waddell, Acting Recording Secretary