

***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.
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 NO TC 8.12 DATE 8/14/2011

TC TITLE Desiccant Dehumidification Equipment and Components

DATE OF MEETING 6/27/2011 LOCATION Montreal

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@air.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
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Louay Chamra (CM)			X	
Trevor Wende (Guest)			X	trevor@advantagesystems.com
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Afshin Afshari		X		aafshari@masdar.ae
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Yang Hu		X		Yanghu.energy@gmail.com
John New		X		jnew@newandassociates.com

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)

**American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
Technical Committee Meeting**

ASHRAE TC 8.12 *Desiccant Dehumidification Equipment and Components*
2:15 – 4:15 PM, Monday, June 27, 2011 Meeting
Fairmont Queen Elizabeth Hotel / Room-Hochelaga 4 (Convention Level)
Montreal, Quebec, Canada

Agenda

- 1) Call to Order by Stan at 2:15
- 2) TC Scope
- 3) Introduction of TC Officers, Members, and Guests
- 4) Roll Call of Voting Members
- 5) Review and Acceptance of Meeting Agenda
- 6) Approval of Minutes – January, 2011 Meeting (Las Vegas) 5-0-5 approved
- 7) Reports from ASHRAE Liaisons
- 8) Section 8 News – Bill Mcquade will be Vice Chair of TAC. Program tracks were discussed. No more themes will be used after Chicago meetings. A total of 10 tracks were discussed. Bill Lull pointed out that we are lacking case studies for actual energy use. Steve Duda will be new Section 8 head. Quality of speakers were discussed and how to improve the speakers. Conference fees were discussed. Section heads are looking for paper reviewers, etc.
- 9) Subcommittee Reports
 - a. Research – Bill Griffiths
 1. 1339 RP “Selection of desiccant Equipment at Altitude” update./Dr Fumo to report
 2. 1456-DOAS Lew H.
 3. 1566- Evap. Calc –Lew H.
 4. New Research ?

Steve Brickley requested Dr Fumo to summarize report 1339. Draft of final report has been submitted about 3 weeks ago. Subcommittee was not expecting

report to state there is no simple way to determine performance. When precool is used (low temp / high RH), altitude becomes less of an issue for calculations. Test results were within the uncertainty region of the tests. No correlation from software output and actual output provided.

1456 – DOAS – Lew provided overview on guide. There were no bids on the book due to it being required to be press ready upon completion. Work statement and money will remain the same.

1566 – Evaporative calculations for swimming pools, wash down in industrial – RAC approved it, but it needs to be 50% cheaper for approval. TC 8.10 is pursuing new work statement. It was rejected during final approval, but was preliminarily approved.

New Research – Bill Lull brought up odor retention and release from heat recovery wheels. Paul Piper said 5.5 is not interested.

8.10 RTAR emails about residential dehumidification from Tom Clemmons – thought to be on hold due to little interest or no activity.

b. Handbook – Steve Brickley

1. Systems & Equipment 2012 – On track
2. Fundamentals 2013 – Vote is during winter meeting. No comments from the ASHRAE website. Add discussions about Type III desiccants. Provide practical design example with numbers to work through and a sustainability calculation for desiccant. Confirm that from international point of view, items in book make sense.
3. David Yull came in at 3:22 and Bill Lull requested that there be a choice to go all digital for handbook.

c. Program – Andy Lowenstein

1. Montreal
2. Chicago – August 12 submission deadline for papers
3. San Antonio -

Montreal – seminar on Wednesday morning, topic is solar cooling with four speakers.

1. Low dewpoint applications suggested for tracks.
2. Seminar on Standard 139 – Methods of Testing for Desiccants
3. Case studies on solar desiccants, etc.

d. Standards – Wayne Caudle

1. Std 139-2007 Method of Testing
2. Std 174 Testing

139 – emailed vote and everyone agreed to revise the standard for Carol Marriott. Wayne suggested we add on Dane Christians and Bill Worek.
174 – Nothing new at this time.

e. Membership – Stan Slabinski

1. 2011-2012 Officers – Ryan Flynn assigned as a provisional member.
2. 2011-2012 Roster – Official is out as of 7/1/11
3. Roll Over Voting Members – Total of 13 voting members
4. Request for New Members -

f. Web Page – Bill Worek – all minutes up to date on website

10) Old Business - None

11) New Business

- a. Lew Harriman mentioned item for education, humidity control design course is quite popular
- b. Email sent out for free TC pass. Paul Piper received pass based on first response.

12) Action Item review -

Action Items:

1. Steve Duda will be new Section 8 Head.
2. Dr. Fumo needs to reduce report to 60-80 pages and an executive summary with 2 pages max on how an engineer is to account for desiccant use at altitude.
3. Norm Maxwell & Mike Harvey requested to be assigned to handbook committee
4. Norm Maxwell will be taking over as Chairman.
5. Thanks to Stan Slabinski for his commitment to ASHRAE and TC 8.12.

13) Adjournment - @ 4:04