

ASHRAE
 American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
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 404-636-8400

Technical Committee Cover Sheet

TC NO. 3.3

DATE: June 28, 2005

TC TITLE: Refrigerant Contaminant Control

LOCATION: Denver, CO

MEMBERS PRESENT	STATUS	MEMBERS ABSENT	STATUS	EX-OFFICIO MEMBERS ADDITIONAL ATTENDANCE
James Bouril	VM	Hans Hoefler	IM	Jorge Cabrera
Alan Cohen	VM	Bob Woods	VM	Ali Nejad
Danny Halel	CM	Rich Cavestri	CM	Don Schuster
Raymond Thomas	VM	Thomas Leck	CM	Sunil Nanjundaram
Sonny Sundaresan	VM	Debra Kennoy	CM	Nandini Mouli
Joe Karnaz	CM	Charlie Butler	CM	Kevin Lai
Rob Yost	VM	D Huttenlocher	CM	Bill Walter
Jay Field	VM	Karim Amrane	CM	Scott Travis
Frank Nagy	CM	F Broesby-Olsen	CM	Hewitt Gaudin
Fred Polley	CM	Denis Clodic	CM	Steven Szymurski
Ken Lilje	CM	Clint Finstad	CM	
Rosine Rohatgi	CM	Mike Lacey	CM	
		Glenn Hourahan	CM	
		Nemat Lotfi	CM	
		Ken Manz	CM	
		Emmanuel Saforo	CM	
		Mike Overstreet	CM	
		William Walter	CM	
		Shelvin Rosen	CM	
		Ward Wells	CM	
		John Danaher	CM	
		Scott Gustafson	CM	
		Yanwei Cen	CM	
		David Wilson	CM	
		Cary Haramoto	CM	

Meeting Minutes of TC 3.3
Contaminant Control in Refrigeration Systems
June 28, 2005 Denver, CO

The meeting was called to order by Chairman Jim Bouril in the Governors Square 14 Room of the Adams Mark Hotel in Denver, CO at 3:33 pm.

Those in attendance introduced themselves.

After the introductions, Membership Chairman Frank Nagy called roll to establish quorum. Quorum was achieved 6 of the 9 voting members were in attendance at the start of the meeting.

The Chair asked if there were any changes or additions to the Agenda – there were no changes or additions.

ACCEPTANCE OF MINUTES

A motion was made by Sonny Sundaresan and 2nd by Robert Yost to accept the minutes of the meeting held in February 2005, in Orlando, FL with a change to the listing of Voting Members (Joe Karnaz was listed as a VM and should be a CM.)

MOTION PASSED 6/0/0 CV

ANNOUNCEMENTS FROM CHAIR

TC Chairman's Breakfast Report

The Chair's for Section 3 got together on Sunday morning the following was discussed

ASHRAE is considering changing the Seminars to 90 min from 120 Min

ASHRAE is considering cancelling Wednesday Seminars

There was discussion where two or more of the Section 3 TC's be combined. The TC Chairs are to take back to the TC's this thought and get their input. See New Business.

A motion was made by Field and 2nd by Yost to have the Chairman send a letter to ASHRAE supporting these ideas.

MOTION PASSED 5/0/1 CV

LIAISONS

Research – Richard Cawley

There are changes coming from ASHRAE on grading and weighting RTARS and Work Statements, Glen Steinkoenig (Research Chair) will cover these in his report.

Handbook Liaison - Florentino Mendez

Advised the committee that he is available to our Handbook committee for the next cycle to be published in 2006. The deadline for submittal is in the 3rd Qtr, 2005.

PROGRAM – Joe Karnaz

Denver

“Issues with System Chemistry Requirements in New and Retrofit Applications” Chair – Sonny Sundaresan with the following presentations:

Sonny Sundaresan – Gasket and O-ring replacement

Danny Halel – A Manufacturer Requirements for Supermarket retrofits.

Rosine Rohatgi – Experiences with R-12 to R-134a Retrofits

Richard Cavestri – Retrofits with R-410a

Chicago

A Symposia is scheduled entitled "System Chemistry and Contaminants Research Results" – Chair - Ken Lilje. Four papers are presently in review. This is a Co-Sponsor with TC 3.2.

A motion was by Jay Field and 2nd by Sonny Sundaresan to so-sponsor a Forum in Chicago entitled "*Refrigerant Impurities: Are they an Issue*" Moderator Robert Yost This is co-sponsored with 3.1 and 3.2.
MOTION PASSED 6/0/0 CV

Quebec City

A motion was made by Karnaz and seconded by Field to sponsor a Seminar entitled "Contaminant Controls and Research" Chair - Dr. Richard Cavestri
TC 3.8 is considering Co-Sponsorship

A copy of the output from a Forum held in Orlando is included with these minutes.

HANDBOOK – Jay Field

A motion was made by Jay Field and 2nd by Robert Yost to accept the Handbook as submitted to ASHRAE.
MOTION PASSED 6/0/0

The Chairman wishes to Thank Jay Field for his commitment to the Handbook over the last two sessions.

STANDARDS – Rob Yost

SPC 63.2 Method of Testing Liquid Line Filter Drier Filtration Capacity. Chairman: Bob Woods
Bob has all the past data from the prior Chair, Bob Woods has completed the document and is looking for members for the SPC. When these are finalized a letter ballot may be issued, if not it will be voted on in Chicago.

SSPC 35-92R MOT Desiccants for Refrigeration Drying. This is in continuous maintenance and under revision. Chair: Cary Haramoto The document as soon as possible is going out for a letter ballot. Members will be contacted via a letter ballot.

SPC63.1 Method of Testing Liquid Line Refrigerant Driers was approved in 2001 and will be reviewed in 2004. Now that ASHRAE - 35 is near complete this needs to be revised. Work will continue when SSPC35 is complete with their present work.

RESEARCH – Ray Thomas

1239 - TRP Distribution of Water between Liquid and Vapor Phases of Refrigerants- Alan Cohen. The head researcher ETL gave a final report to the Chair. There a was a misunderstanding of what was submitted.. The committee thought it was a final report and it was only a presentation of data. The final report needs to be completed

A motion was made by Cohen and Yost to rescind the previous vote on the approval of the Final report of 1239-TRP.
MOTION PASSED 6/0/0

1240 - TRP MOT for Identification and Quantification of Organic Acids on desiccants [Jay Field]. Imagination Resources is on schedule and gave the final report to the Chair of the Project Monitoring Subcommittee for review. Chair - Glen Steinkoenig, Finn Broesby-Olsen and Jay Field.
A motion was made by Field and Yost to accept the Subcommittee recommendation for approval
MOTION PASSED 5/0/1 CV

RTAR's

- Sonny Sundaresan will write an RTAR on the "Users Guide to System Chemistry Maintenance". This RTAR will be dropped due to the fact that most of the information will be incorporated in the New Standard 147.
- Oil Effect on Moisture Distribution Coefficient in HFC's – Alan Cohen will write the RTAR. Follow up to 1239-TRP *Distribution of Water between Liquid and Vapor Phases of Refrigerants*. The RTAR has not yet been completed. After some discussion this RTAR should be limited to a few refrigerants rather than the large amount included in 1239.
- Ray Thomas has volunteered to write an RTAR "Guidelines for Judging Effectiveness of Various System Cleaning Procedures." Complete and given to the Committee.
A motion was made by Thomas and 2nd by Yost to accept the RTAR "SYSTEM FLUSHING" as submitted.
MOTION PASSED 6/0/0
Members of the Research Plan Subcommittee Robert Yost – Chair, Danny Halel and Ray Thomas

Members of the Research Plan Subcommittee – Ray Thomas – Chair, Alan Cohen, Jay Field, Robert Yost, Joe Karnaz.

RTAR Priority 1 is the RTAR entitled "System Flushing".

MEMBERSHIP – Frank Nagy

Membership was reviewed and all open positions have been filled at this meeting.

WEBSITE – Alan Cohen

The TC 3.3 website is live. It is using the ASHRAE standard templates and format. www.tc33.ashraetcs.org
Alan suggests that the members visit the website as their leisure. The website is www.tc33.ashraetcs.org
Alan will check into using aliases for website communication with the TC officers.

OLD BUSINESS – Jim Bouril

No old business was brought to the table.

JOURNAL LIAISON – Jim Bouril

NEW BUSINESS – Jim Bouril

It has been suggested in the Section Meeting that TC 3.2 and TC 3.3 be combined into one TC. After some discussion a straw vote was taken. The question was asked "How do you feel about combining TC3.2 and TC 3.3 for a trial meeting in Chicago and if successful combine TC's 3.2 and .3.3. The vote result was For 1 Against 13 Abstention 6

The committee wishes to thank you Jim Bouril for his commitment to this committee as Chairman.

ADJOURNMENT – Jim Bouril

The meeting was adjourned at 4:45 pm.

Respectfully submitted,

Danny Halel
TC 3.3 Secretary