

**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 3.8 DATE June 28, 2011

TC/TG/TRG TITLE Refrigerant Containment

DATE OF MEETING June 27, 2011 LOCATION Montreal QC

MEMBERS PRESENT		MEMBERS ABSENT		EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Warren Beeton	VM	Dave Godwin	VM	Bill Murphy
Dan Miles	VM	Eric Newberg	VM	Charles Stout
Gary Zyhowski	VM	Frederique Sauer	INTL, VM	Paul Solberg
Mark Adams	VM			Xudong Wang
Danny Halel	VM			Sunil Nanjundaram
Denis Clodic	Non VM			
Rob Yost	Non VM			
Jim Crawford	Non VM			

DISTRIBUTION

All Members of TC 3.8 plus the following:

Technical Activities Committee Chairman:	Charles Wilkin
Technical Activities Committee Section 3 Head:	Bill Murphy
Committee Liaisons As Shown On TC 3.8 Roster:	Jennifer Leach – Chapter Tech Transfer Fliza Walters – ALI/PDC John Clark – Special Publications Phil Trafton – 2014 Handbook – Refrigeration Douglass Abramson – Standards Liaison
Manager of Standards Staff Liaison (Research / Technical Services)	Stephanie Reiniche Mike Vaughn

Note: "These draft minutes have not been approved and are not the official, approved record until approved by this committee."

Minutes – TC 3.8 Refrigerant Containment
Montreal Meeting – June 27, 2011

Call to Order

Warren Beeton, Chair, called the meeting to order at 4:15 PM on Monday, June 27, 2011. After the distribution of agendas and introduction of members and guests, a quorum was confirmed.

Attendance

At the call to order 5 of the 8 voting members were present (1 voting member is international and does not count against quorum). Voting members present establishing quorum were:

Warren Beeton	(Chair)
Mark Adams	(Programs Subcommittee Chair)
Dan Miles	(Secretary)
Gary Zyhowski	
Danny Halel	(Handbook Subcommittee Chair)

Approval of Minutes

The Las Vegas Meeting minutes “for approval” were distributed via email to members of the committee prior to the meeting. Necessary edits to the header to correct errors in location and date were noted as were grammatical errors in the Standards and New Business sections. Mr. Adams moved (with a second by Mr. Zyhowski) that the minutes, with edits as noted, be accepted. The motion to accept the minutes with edits passed unanimously.

Committee Membership

Chairman Beeton reviewed the current roster with supporting information provided by Mr. Yost who is the incoming Chair. Scheduled to roll off as Voting Members on 6/30/2011 are Mr. Newberg (absent), Ms. Sauer (absent), Mr. Zyhowski, and Mr. Adams. Scheduled to come on as Voting Members effective 7/7/2011 are Mr. Clodic and Mr. Yost. A point was made that with the Technical Activities Committee (TAC) targeting 13 voting members on TCs, there is room for additional voting members on TC 3.8. Mr. Yost advised that there were some who felt that TC 3.8 should be absorbed into TC 3.3 if the membership of TC 3.8 does not grow and future leadership does not step forward. Mr. Clodic commented that conflicts with the meeting time of TC 3.1 might be a cause for the limited attendance at TC 3.8. Discussion regarding alternatives to the current meeting day/time followed and there was general agreement that changing the meeting day/time would probably not be of benefit to the level of attendance/membership. Mr. Crawford asked to have his status changed from Corresponding Member to Voting Member. Mr. Solberg, Mr. Stout, and Mr. Nanjundaram asked to be added to the committee membership as Corresponding Members. Mr. Yost accepted as an action item to follow up with these individuals on their membership status. Mr. Beeton accepted as an action item to send a note to members of the SPC 147 committee, some of whom are not active in TC 3.8, to come join the efforts of TC 3.8.

Chairman’s Breakfast Comments

Incoming Chair Yost reported on the Chairman’s Breakfast. Subjects discussed included:

- The program committee has been favoring programs to attempt to draw those with interest in buildings to ASHRAE meetings in an effort to increase overall attendance. This effort has failed and future meetings will likely offer more opportunities for programs from Section 3.

- Free conference registration for speakers is being discontinued going forward.
- Multi-Disciplinary Task Groups or MTGs are now a part of the ASHRAE organization. Currently there are three MTGs focused on Building Information Modeling (BIM), Building Performance Metrics (BPM), and Energy Efficient Classification of General Ventilation Air-Cleaning Devices (EEC). Additional MTGs are to be added.
- The need for TC websites to be kept current and located on an ASHRAE server was noted as was TC 3.8s failure to do so.
- ASHRAE's Hightower Award - given by the Technical Activities Committee in recognition of excellence in volunteer service in the area of Technical Committee, Technical Group, and Technical Research Group activities excluding research and standards. Nominations prior to the 9/1/2011 deadline are being solicited and encouraged.
- There was discussion of upcoming conferences. For a listing of upcoming ASHRAE endorsed conferences see <http://www.ashrae.org/events/page/559>.
- "Thank You" letters are available from ASHRAE. Montreal meeting attendees who would like to have a "Thank You" letter sent to their employer should contact Mr. Beeton or Mr. Yost.
- The submission deadline for programs to be considered for the January 2012 Chicago meeting is 8/12/2011. The submission deadline for programs to be considered for the June 2012 San Antonio meeting is 2/13/2012.

Research Plan

Denis Clodic reported that a discussion related to leakage by permeation and the effect of size and material selection of o-rings that came up at the SPC 196 meeting on Sunday might lead to a future Research Topic Acceptance Requests (RTAR) since prior RTAR submissions have failed to gain the approval of the Research Administrative Committee (RAC). Mr. Clodic reported on the summary of comments received from RAC in regards to the rejected submission, 1599-RTAR, "*Assessment of Measurement Techniques for Leak Flow Rate (LFR) of Components and Systems*". Mr. Beeton suggested that a revision to the RTAR connecting it to the work of the "Refrigerant Management Program" group being chaired by Mr. Halel. Mr. Halel took as an action item to edit the RTAR and return it to Mr. Clodic for resubmission.

Mr. Wang discussed an AHRTI project entitled "Joining Techniques Assessment" that he thought might be of interest to committee members. (The project is described in the AHRTI work statement attached to the email circulation of these minutes.) He solicited constructive suggestions from the TC 3.8 membership after they have had an opportunity to review the work statement. He also asked members to help identify potential bidders who are well qualified to conduct the work within the budget (\$200,000). If it is determined through the bid process that the AHRTI budget is insufficient, he asked if TC 3.8 would be interested in turning the project into an AHRTI / ASHRAE co-funded project to increase available funding. Mr. Adams pointed out that a Method of Test (MOT) to qualify the tightness of components and joints is nearing completion as ISO 14903. This MOT could possibly serve as the basis of testing for the AHRTI project.

Comments from TAC Section 3 Head

Mr. Murphy, Technical Activities Committee Section 3 Head, was in attendance and delivered comments and encouragement. Subjects discussed included:

- Encouraged the TC to continue to work on research

- Encouraged officers and members to step up into leadership positions to keep TC 3.8 viable as a free standing entity going forward and assured all that the Section wants the TC to survive as such.
- Noted that the TC website is our “window to the world” and getting it updated and keeping it current can help sustain the committee.
- Encouraged the TC to submit programs with topics of interest to all areas of the ASHRAE membership.
- Presented a certificate to Mr. Beeton recognizing his contribution to the TC over the years as he is about to complete his term as TC 3.8 Chair.

Standards

Mr. Clodic reported on the Sunday evening meeting of SPC 196 – *“Method of Testing for Measurement of Refrigerant Leak Rates”* that was well attended. At the meeting the 3rd working draft was updated to a 4th revision. A teleconference is tentatively planned for August and will be scheduled in the near future using the “doodle.com” web service. The goal is to complete work on the draft at the January 2012 meeting in Chicago and to issue for public review in early 2012.

Mr. Clodic reported that the draft submitted by SPC 173P – *“Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors”* was rejected and returned. Mr. Miles and Mr. Clodic planned to meet immediately after TC 3.8 to determine a course of action so that the draft can be released for public review prior to meeting in Chicago.

Mr. Beeton summarized activities of the committee working to review Standard 147-2002 – *“Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems”*. Working groups met on Saturday and the full committee met on Sunday and reviewed more than 20 comments that were submitted on the second publication for public review. All comments received were considered and some good improvements to the draft resulted. The draft is expected to be revised and published for a public review of substantive changes in the near future so that additional comments received can be resolved at or prior to the Chicago meeting.

Handbook

Mr. Halel, Handbook Subcommittee Chairman, reported that the deadline for contributions of TC 3.8 to the Refrigeration 2014 edition are due in May 2013. Mr. Halel expressed a desire to solicit members to form a subcommittee to work on this effort at the January 2012 meeting in Chicago.

Programs

Mr. Adams, Program Subcommittee Chair, offered to resubmit the seminar *“Zero Refrigerant Emissions? – What’s Changing in the New SPC 147 Standard”* for consideration at the January 2012 meeting in Chicago. This seminar had been previously been submitted to the ASHRAE program committee and was declined. The proposed seminar would include presentations on “General Overview of Changes to SPC 147” by Mr. Beeton, “Product and Field Leak Testing Overview of the New SPC 147 Requirements and Presentation of the Various Methods Pro’s and Con’s.” by Mr. Miles, and “Overview of New Active System Monitoring Requirements and Field Examples of Operating Systems by Mr. Robert Sperl. Mr. Adams offered to coordinate the seminar and has taken this task on as an action item.

Mr. Stout reported that he serves as Program Chair for TC 10.3 and is submitting a program sponsored by TC 10.3 regarding copper pipe pressure ratings based on hoop strength. He asked if TC 3.8 would be interested in serving as a co-sponsor of the seminar. Mr. Adams offered a motion to have TC 3.8 co-sponsor the seminar and received a second from Mr. Halel. The motion passed unanimously 5/0. Mr. Stout will go forward with the program submission with TC 3.8 as co-sponsor as an action item.

Website

Mr. Clodic acknowledged the need to post recent TC 3.8 minutes as well as past and current RTARs on the website to make it current. In addition he noted that he needed to move the TC 3.8 website to an ASHRAE server in the near future. Mr. Stout volunteered that he serves as webmaster for TC 10.3 and asked if he could help out TC 3.8. Following the meeting, Mr. Stout and Mr. Clodic agreed to exchange information and Mr. Stout will take responsibility for the TC 3.8 website going forward. Mr. Miles will forward minutes from past meetings to Mr. Stout for posting on the web site.

Old Business

None

New Business

Mr. Yost suggested that TC 3.8 should consider nominating Mr. Halel as a candidate for the Hightower Award based on his history of service to the ASHRAE community. Mr. Adams moved (with a second from Mr. Beeton) to have TC 3.8 support Mr. Yost's submission of Mr. Halel as a candidate for the Hightower Award. The motion passed unanimously 5/0. Mr. Yost took on submitting the nomination as an action item.

Adjournment

Mr. Miles made a motion to adjourn the meeting and a second was received from Mr. Beeton. The meeting was promptly adjourned at 5:50 PM.