

Meeting Minutes
ASHRAE Technical Committee TC 8.7
Combustion Turbine Inlet Air Cooling Systems
Anaheim, California – January 26, 2004

Attendees:

Voting Members

John Andrepont, The Cool Solutions Company	coolsolutionsco@aol.com
Jon Edmonds, Edmonds Engineering Co.	edmondseng@cyberia.com
Kaye. Flamm, Baltimore Aircoil Company	kflamm@baltaircoil.com
Rich Kooy, self	richkooy@msn.com
Kurt Liebendorfer, The Stellar Group	kurt@thestellargroup.com
Bill McAuliffe, York International	bill.mcauliffe@york.com
Tom Tillman, Turbine Air Systems	ttillman@tas.com
Verle Williams, Utility Services Unlimited	verleawilliams@cox.net

Corresponding Members

Ainul Abedin, of Pakistan	cogen@cyber.net.pk
Dharam Punwani, Avalon Consulting	dpunwani@avalonconsulting.com
Bill Stewart, Intermountain Research	billstewart@intermountainresearch.com

Visitors

Bill Bahnfleth, The Pennsylvania State U.	wbahnfleth@psu.edu
Eric. Peyer, Grumman/Butkus Assoc.	ebp@grummanbutkus.com
Dennis Halsey, FES Systems Inc.	dhalsey@fessystems.com
Mike Thompson, The Trane Company	mthompson@trane.com
Ross Fink, Armstrong International	rfink@armintl.com
Paul Lindahl, Marley C.T.	paul.lindahl@marleyct.spx.com

Absent Voting Members:

Rudy Acevedo Jr., Acevedo & Associates
John Parker, Sargeant & Lundy
Ghaleb Saa, Marco (Int'l Member)

1. The meeting was called to order by chair V. Williams at 4:15 p.m. The scope of the TC was read by the chair.
2. Self-introductions were made by all attendees.
3. A quorum of Voting Members was confirmed, with 8 of 10 (11 minus 1 absent Int'l Member) present.
4. W. Stewart moved and J. Edmonds seconded that the Minutes of the Meeting of June 2003 (Kansas City) be approved. This was APPROVED unanimously.

5. There was no old business.
6. Subcommittee reports:
 - Handbook – There was no report. W. Stewart will assume the future duties of subcommittee chair from J. Parker.
 - Research – Report by W. Stewart
 - The RTAR on CTIC Moisture Ingestion (2005-5) has been approved. A work statement needs to be finalized by May. W. Stewart will develop it.
 - Two new RTARS may be developed: 1) Reliability with TIC and 2) Optimized Operation with TIC.
 - The earlier RTAR on TIC Modeling (2005-27) was returned by RAC. W. Stewart will distribute copies of RAC's response for comments by the TC members regarding whether and how to respond.
 - A discussion of TRP-1188 on TIC Commissioning was postponed until an Executive Session, held later during the meeting. (See the separate attachment for details.)
 - Program – K. Flamm reported for R. Kooy.
 - Anaheim, January 2004 – Forum 9, chaired by W. McAuliffe, regarding “What is the Worldwide Outlook for CTIAC Applications?” was held on Sunday at 11:15 a.m. It was well received with good discussion and about 30 attendees.
 - Nashville, June 2004 – The following program plan was moved by K. Flamm, seconded by J. Edmonds, and APPROVED unanimously.
 - Priority #1 – Forum, chaired by T. Tillman, regarding “Moisture Issues Impacting CTIAC”
 - Priority #2 – Seminar, chaired by W. McAuliffe, regarding “Worldwide Applications of CTIAC”
 - Priority #3 – Symposium, chaired by D. Punwani, regarding “Applications in CTIAC” (with potential papers by T. Tillman, W. Stewart, D. Erickson, and K. Liebendorfer)
 - Orlando, February 2005

- Seminar, chaired by W. Stewart, regarding “Inlet Air Cooling for Microturbines”
- Website – Report by D. Punwani. ACTION ITEM for each TC member: send an e-mail confirmation to D. Punwani if they consent to have their contact info posted on the TC website. Also, send suggestions for other info to be posted, e.g. FAQs & answers and citations for TIC publications.

7. Liaison Reports

- IDEA – Report by J. Andrepont. IDEA is an industry association, many of whose members use cogeneration, often with CTs, and sometimes with CTIC. IDEA members include District Heating and Cooling utilities, university campus and other facilities managers, contractors, equipment suppliers, consultants, and others. The next IDEA Annual Conference and Tradeshow will be held in Seattle, June 26-30, 2004 (unfortunately for this year, concurrently with the ASHRAE Annual Meeting in Nashville). The next IDEA Campus Conference and Tradeshow will be held in San Diego, February 11-13, 2004. Further information is available on the IDEA website (www.districtenergy.org).
- TC 6.9 (Thermal Storage) – Report by R. Kooy. A brief report of TC 6.9 activities was provided.
- TC 1.10 (Cogeneration Systems) – Report by J. Andrepont. TC 1.10 will meet on Tuesday from 3:30 to 6:00 p.m., preceded by its subcmte meetings from 1:00 to 3:30 p.m.
- TICA (Turbine Inlet Cooling Association) – Report by D. Punwani. All were invited to attend the TICA Board of Directors meeting immediately following the TC 8.7 meeting. Further information is available on the TICA website (www.turbineinletcooling.org).

8. New Business

- Roster Update – Chair V. Williams will contact R. Acevedo to confirm whether he should be continued as a VM. D. Punwani and W. Stewart expressed interest to become VMs, as did Dennis Halsey of FES Systems (ASHRAE Member #00293584).
 - The chair reviewed information from the chairs’ breakfast meeting, including: 1) an interest in more Symposia at future meetings, 2) an interest in articles for the *ASHRAE Journal*, and 3) the January 6, 2004 letter on Homeland Security by L. Spielvogel (attached).
9. An Executive Session was held to discuss TRP-1188, with only voting members and the PES chair present. (See the separate attachment for details.)
10. The TC Section 8 Section Head solicited comments regarding the new procedures for jointly convening TC chairs, intended to increase cross-fertilization between TCs.

11. The next meeting will be scheduled for the same time on Monday afternoon, June 28, 2004, during the ASHRAE Annual Meeting, in Nashville, TN.

12. The meeting adjourned at 6:30 p.m.

These minutes were recorded by J. Andrepont (TC member, acting as secretary for this meeting).
February 19, 2004

TC 8.7 Executive Session
January 26, 2004

Attending: TC Voting Members plus the chair of the PES for TRP-1188 (D. Punwani)

The proposals for TRP-1188, regarding Development of Commissioning Procedures for CTIC Systems, and the recommendations of the PES were discussed. J. Andrepont moved and J. Edmonds seconded the following motion: “Reject both bids and withdraw the RFP for TRP-1188 due to new information having recently come to light that the scope is largely duplicated by an effort already underway by ASME (Power Test Code, PTC-51, which is 1-year into a 3-year projected development effort). The motion was PASSED: 7 yes, 0 no, 0 abstentions, chairman not voting.

The committee nevertheless expresses its sincere thanks for the extensive efforts of those who developed and finalized the RTAR and work statement, those bidders who developed and submitted proposals, and the PES members.