Meeting Minutes of the Water Technologies Subcommittee
of the
ASME Research & Technology Committee on
Water and Steam in Thermal Systems
at
NIST Laboratories
Gaithersburg, Maryland
April 26 – 29, 2004

Ted Beardwood assumed duties as chair of this subcommittee at the beginning of this week.

Attendees:
Ted Beardwood; Mike Rootham; Bob Holloway; Steve Shulder; Jim Dromgoole; Torry Tvedt; Jean Sabourin; David Simon; Tony Banweg; Debbie Bloom; Colleen Kulick; Julius Isaac; David Daniels; Frank Gabrielli; Jim Robinson; Len Olavessen; Mark Janick

Three Water Technologies Subcommittee projects were addressed during this week's meetings:

- Consensus on Operating Practices for Control of Water and Steam Chemistry in Cogeneration and Combined Cycle Power Plants
- Consensus on Pre-Commissioning of Combined Cycle Power Plants
- Amine Use in High Pressure Steam Cycles and Boilers

Discussions for the Consensus on Operating Practices for Control of Water and Steam Chemistry in Cogeneration and Combined Cycle Power Plants were focused on operating chemistry specifications. David Daniels, team leader for this project, led a very detailed discussion that resulted in a draft document that might need only one more meeting to produce a final document, ready for member ballot. Discussions addressed additional chemistry specifications from several sources including OEM and EU documentation that were applicable to our document.

Ted Beardwood, team leader for the Consensus on Pre-Commissioning of Combined Cycle Power Plants, led a very extensive working session on this document. As a result of this session, additional work on various document sections were agreed to and three groups were set up to do the revisions. Sections dealing with project development, design specifications, off-site fabrication/assembly and on-site construction by Frank Gabrielli, Julius Isaac, Colleen Kulick, and Torry Tvedt. Sections dealing with pre-treatment plant start-up, initial hydro, HRSG's, steam blow and turbines by Bob Holloway, Jean Sabourin, Jim Robinson, Debbie Bloom, Jim Dromgoole, Mark Janick, Mike Rootham and Len Olavessen. Sections dealing with baseline run-turnover to owner, cyclic transition-baseload to cycling and start-up, shutdown and lay-up by David Daniels and Tony Banweg.

Mike Rootham, team leader for the Amine Use in High Pressure Steam Cycles and Boilers project, related the boost this project received at the IWC 2003 ASME session

presentation. Additionally, discussions concerning where to conduct research and obtain project funding suggested two possible research facilities and several funding resources. Mike Rootham to contact research candidates to determine their interest in our project, and Mike will coordinate funding and research site selection in cooperation with ASME VP of Research – Michael Tinkleman. There was substantial discussion on research focus and experiment design, culminating with a fairly well defined path forward.