

# Meeting Minutes

October 25, 2013

**Project:** EPC Rotating Equipment Subcommittee Meeting (MHI Compressor Intl offices)

Ross Hegefeld	CP Chem	Sergio Mauras	Elliott Group
Alex Tetlow	MHI	Kazim Akhtar	CB&I
Paul Bzdak	Dresser Rand	Mike Sicker	Mitsubishi (Chairman)
Brian Wadas	GE Oil & Gas	Bill Swinton	Dresser Rand
Rob Fisher	ExxonMobil		

Item No.	Report	Action Required	
		By	Date
1	Mike read the Anti-Trust Agreement. Kazim gave the safety moment.		
2	Sub-committee attendance continues to be an issue. Items to be addressed: 1) Reach out to end-users not currently represented in this sub-committee 2) Encourage all sub-committee members to appoint an alternate when not available 3) Identify non-participating members for removal from the sub-committee		
3	The suggestion was made to make pitch at the EPC Conference for end users to join the subcommittee. We also plan on adding a note on the evaluation sheet soliciting participation in the various subcommittees.		
4	AIChE is planning a morning Keynote again this year. If so, the morning session will be shortened. We will try to obtain current information from the main EPC committee and report at the next meeting.		
5	<p><b><u>Planned Presentations</u></b></p> <p><b><u>AM Session - Reliability/Operability of Rotating Equipment</u></b> (subcomponents and hardware affecting performance and reliability)</p> <ol style="list-style-type: none"> <li>1) Turbine Oil Varnish Issues (Mobil Lubricants/M.Sicker) <b>Reviewed &amp; Approved</b></li> <li>2) Vibration Monitoring (KBR/K. Kisor) – <b>Committed/Abstract Pending</b></li> <li>3) Check Valves (G. Berry) - <b>Reviewed &amp; Approved</b></li> <li>4) Trip &amp; Throttle Valves – Dresser Rand (B. Swinton) <b>Reviewed &amp; Approved</b></li> <li>5) T/A considerations and Lessons Learned (AST/M.Sicker – Pending)</li> <li>6) API Status report (<b>Kevin Kisor/Greg Berry/Kazim Akhtar</b>)</li> </ol> <p><b><u>PM Session - Compressor/driver technology</u></b> (technological advancements in world scale Ethylene plants)</p> <ol style="list-style-type: none"> <li>1) Compressor Controls – Surge &amp; Stonewall Considerations (ETC - A. Tetlow/K.Kisor - monitor) <b>Reviewed/Pending</b></li> <li>2) Turbo Expanders – High Enthalpy Wheel Design (GE/B. Wadas) <b>Reviewed &amp; Approved</b></li> <li>3) Abstract (Steam Turbine Start up Considerations (<b>Elliott - OPEN</b>))</li> <li>4) High pressure/high temp Steam Turbine applications (MHI or GE O&amp;G) (<b>MHI/Technip</b>) <b>Reviewed &amp; Approved</b></li> <li>5) Dynamic Simulation of compression systems (KBR) <b>Committed/Abstract Pending</b></li> <li>6) Design audit criteria for rotating equipment (MSicker) <b>Reviewed/Pending</b></li> <li>7) Challenges of Multiple Feed Stocks on large Compressors (<b>Open -EPC/End User</b>)</li> <li>8) Round Table Discussion (<b>Planned - End Users / Kevin Kisor</b>) (include End Users from La. Area)</li> </ol>		

6	<u>Estimated Schedule for Papers/Presentations</u> Oct 25 - Abstract Due Oct 28 - Abstracts uploaded to Confex End Dec - First draft of paper End Jan - Final Paper End Feb - Presentation draft End Mar - Presentation Final		
7	The 26 <sup>th</sup> Ethylene Producers Conference and 2014 AIChE Spring Meeting will be held from March 30 – April 3, 2014 at the Hilton hotel in New Orleans. The EPC conference itself will be held on Monday, March 31 <sup>st</sup> .		
8	Brian Wadas has accepted the position of secretary for the 2013-2014 conference cycle.		
9	<b>NEXT MEETING:</b>		
10	<b><u>The next Rotating Equipment Subcommittee is planned for Friday, December 6<sup>th</sup>.</u></b> Bill Swinton/Dresser-Rand has offered to host. We may plan another golf outing after the meeting depending in interest.		

### Ethylene Producers Committee

#### **Anti-Trust Agreement**

No activity of the Committee shall involve the exchange, collection or dissemination among competitors of information, or be used for the purpose of bringing about or attempting to bring about any understanding or agreement, written or oral, formal or informal, express or implied, among competitors with regard to costs, prices or pricing methods, terms or conditions of sale, distribution, production quotas or other limitations, on either the timing, or volume of production, or sales, or allocation of territories or customers.