

ETHYLENE PRODUCERS' TECHNICAL SUBCOMMITTEE MEETING

Date: Thursday: August 10, 2017

Time: 4:30 to 5:30 PM CDT

Agenda

Members: VK Arora, Jack Buehler, Heath Chisholm, Bala Devakottai, Rob Fox, Sanjeev Kapur, Robert Krinock, Aivars Krumins, Ravi Lal, Darren Le Geyt, Krishna Merchant , Alberto Morales, Humera Rafique, Mike Tallman, Mark Whitney, Greg Yeo, Tim Zygula, Thomas Wieslaw

1. Reading of the anti-trust statement
2. Five Minutes on Safety
3. Approval of June 15 minutes
 - a. Update on previous meeting action items
4. Any direction/comments from main EPC – Greg
5. Discuss sessions for 2018 conference
 - a. Fundamentals - Jack B / Bob K
 - b. Others sessions / Determine chairs & co-chairs

Remaining Meeting Dates for 2018 Conference Cycle:

- * Sept 21, 2017
- * Nov 2, 2017
- * Dec 7, 2017
- * Feb 1, 2018

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DRAFT Minutes

Action items denoted in **bold underline**.

Location: Doubletree by Hilton Hotel Houston, TX

Members: VK Arora, Jack Buehler, Heath Chisholm, Bala Devakottai, Rob Fox, Sanjeev Kapur, Robert Krinock, Aivars Krumins, Ravi Lal, Darren Le Geyt, Krishna Merchant , Alberto Morales, Humera Rafique , Mike Tallman, Mark Whitney, Greg Yeo, Tim Zygula, Thomas Wieslaw

Present: VK Arora, Jack Buehler, Heath Chisholm, Bala Devakottai, Rob Fox, Sanjeev Kapur, Robert Krinock, Aivars Krumins, Ravi Lal, Mark Whitney, Tomas Wieslaw (via phone, connection problems limited participation)

Absent: Darren Le Geyt, Krishna Merchant , Alberto Morales, Humera Rafique , Mike Tallman, Greg Yeo, Tim Zygula, Thomas Wieslaw

Distr: Above + ethyleneproducerscommittee@gmail.com

AGENDA

1. Reading of the Anti-Trust Statement :

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.

2. Five Minutes on Safety

- Discussion on fire at Unipetrol facility in the Czech Republic; instability in relief valves on C3 Splitter led to failure of the valves and gas release/fire. The relief valves were oversized and the setpoints not staggered. The plant was down for nearly a year; this highlights the importance of evaluating relief systems to ensure proper design.

3. June 15 minutes were approved by the committee.

- Action items from the last meeting were updated: the only open item was to contact Sasol about selecting a member for the committee. Sasol has selected Thomas Wieslaw to join the committee.

4. Sanjeev and Bala gave an update from the main committee:

- The low temperature subcommittee has completed its charter, a new charter is being drafted to continue the subcommittee's work.
- Online access to the proceedings from the 2017 conference has been delayed, the EPC is changing the online platform.
 - o Access is expected to be ready before the 2018 conference.
 - o Individual sign-on will be required in the future, instead of company-wide sign-on.

5. Discussion on sessions for 2018 conference:

Session #1 - Fundamentals

The Fundamentals session will again be chaired by Jack and Bob.

- Jack presented status of potential papers (per his email, see attachment), members were assigned for follow up:
 - o **Bob to follow up with Coolbrook**
 - o Chiyoda previously had best paper at Fuels and Petrochemicals Division in 2014, **Aivars to follow up with Chiyoda**
 - o **Ravi to follow up on radiant coil paper**
 - o High emissivity coatings paper deemed not a good fit our session
 - o Dorf Ketal paper discussed, session may have interest if new approaches are highlighted, and operator is co-author to share results. **Rob to follow up with DK.**

Subcommittee Wide Action Item: Papers are still needed for the Fundamentals session, each member to survey their own organization for potential papers. Literature review may also uncover other potentials.

- It was noted by Jack that last year the conference seemed to be several weeks behind on Confex, which limited the ability to plan for unsolicited papers.
 - o Sanjeev and Aivars will bring this up to main committee to ensure Confex access is available as soon as possible.

Session #2 – Quench Section Tutorial

After a period of discussion it was decided by the committee that a tutorial would be ideal for a second session, and that two total sessions would be the right commitment from the committee.

- A tutorial was selected to maximize the audience
 - o Heath mentioned that a benefit of a tutorial session is that it allows for younger engineers to attend using training funds, as opposed to the typically smaller budgets for professional conferences.
- A quench tutorial was last presented in 2002
- **Bala will chair the session, VK will co-chair (thanks to the volunteers!)**
 - o A co-sponsor for the section will be sought at the main committee, might be either Operations or Maintenance.
 - o The technology companies will be requested to provide design/theory overviews of equipment in the Quench section.
 - **Technology companies are requested to provide a potential topic to Bala and VK.**
 - **Operating companies are requested to look for possible papers on operational challenges with this section (cracking light, T/A maintenance, etc.)**