

ETHYLENE PRODUCERS' TECHNICAL SUBCOMMITTEE MEETING

Date: Thursday, June 18, 2015,

Time: 4:30 to 5:30 PM CDT

Location: Doubletree by Hilton Hotel Houston, TX

Members: Jack Buehler, Thomas Emmert, Robert Krinock, Aivars Krumins, Ravi Lal, Greg Yeo, Tim Zygula. Alain Chepda, Greg Dunnells, Sanjeev Kapur, Krishna Merchant, Richard Prickett, Mike Tallman, Chell Chellappan, Darren Le Geyt, Alberto Morales

Present: Jack Buehler, Thomas Emmert, Sanjeev Kapur, Robert Krinock, Aivars Krumins, Ravi Lal, Darren Le Geyt, Krishna Merchant, Mike Tallman, Greg Yeo, Tim Zygula.

Conference Call In No-one

Absent: Alain Chepda, Chell Chellappan(OOF), Greg Dunnells, Alberto Morales(OOF), Rick Prickett

Distr: Above + ethyleneproducerscommittee@gmail.com

AGENDA

- I. 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.
- II. Five Minutes on Safety
- III. Approval of Previous Meeting Minutes –March 26, 2015
- IV. 2015 EPC Conference Program Review –
 - A. Each session chair/co-chair should review their sessions, what went well, what didn't go well, suggestions for improvements.
 - a. General Fundamentals of Technology – Jack B/Bob K/ Ravi L?
 - b. Technology Trends – Sanjeev K, Greg Y
 - c. Flares – Greg Y
 - B. The summary of the session's feedback should be available before the meeting for your review.
- V. **2016 EPC Conference Planning**
 - Key dates per AIChE?
 - Themes ?
 - Paper ideas (leftovers from this year, ideas from feedback forms, etc.) ?
 - Joint sessions with other subcommittees ?
 - Number of sessions /
 - **Session co-chairs**
- VI. 2015-2016 Subcommittee Leadership – **Nominate Chair and Vice Chair for the committee.**
- VII. TSC - New Business
 - a. New members discussion
 - i. How many ?

ii. Any criteria ?

- VIII. Calendar for 2015 – 2016 - Upcoming Meeting Date Reminders:
2016 AIChE Spring Meeting / EPC Conference: April 11th- April 14th, 2016
Hilton Americas & George R. Brown Convention Center, Houston, TX
- IX. Review Action Item List
- X. Adjourn

June 18 Mtg.

I. 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.

II. Five Minutes on Safety:

Discussed the Memorial Day weekend & following week's rains that flooded many areas around Houston and Wimberley/Austin in the Hill Country. Cars & people should never enter any areas of high water. The weight of water is 1 Tonne/M3, water that is flowing with even a small speed will carry a lot of force with it, and can easily push people, cars, and houses around. Many people on the sub-committee knew of family and friends that have been affected by high water and storm floods in the Houston area.

III. Approval of Previous Mtg Minutes

The March 26, 2015 meeting minutes were accepted & approved.

IV. 2015 EPC Conference Program Review –

A. .Session Comments. Ravi presented attendance figures for all sessions. The EPC was overall well very attended in Austin, TX this year.

1. General Fundamentals of Technology (207) – Jack B/Bob K

There was much interest in the topics, and the session was well attended (186 ave.) even though it was in afternoon, and had a high paper count (7).

Speakers were all prepared, but really had presentations that were a better fit for a 30 minute session & not the 20 minute duration that we had. Authors needed to run through papers quickly in order to meet the 20 minute time allotment. Q/A would flow better, if we can keep it immediately following each speaker. Despite the time length, many people stayed for the complete session.

2. Technology Trends (47) – Sanjeev K, Greg Yeo

Session was slotted after the main EPC Keynote, and also very well attended (236 ave). The plan of having two presentation papers, followed by the panel Q/A session, worked very well. It was important to have seed questions for the panelists though.

3. Flares (215) – Greg Yeo

The flare session was the very last session in the AIChE or EPC. It had a very respectable attendance (172 ave.). A number of people stayed to ask questions. The session had a lot of interest. Greg ended up juggling the co-chair position on two EPC sessions, which is probably too much for one person.

General: The 3 sessions were highly attended, because they all had great relevance for ethylene producers in 2015.

V. 2016 EPC Conference Planning

- Key dates per AIChE – see later
- Themes – See joint sessions
- **Paper ideas** (leftovers from this year, ideas from feedback forms, etc.)
 Jack Buehler reviewed the potential backlog of papers that we have going into the 2016 planning cycle. These included papers that the audience suggested for 2016, papers that were not yet ready for 2015, and/or other papers that have been brought up previously & moved to other sessions. Jack assigned individuals to follow up on the different papers.
- **Joint sessions with other subcommittees**
 Greg Yeo lead a discussion on new “Joint Sessions” for next year. Three joint sessions that were suggested were:
 - * MACT for Ethylene Plants, Olefin Plant Feed Flexibility
 - * Academic Session on Olefins (with AIChE)?..
 - * Mega Projects-Sanjeev– paper, and panel discussion
- **EPC Session co-chairs**
 Jack Buehler, and RJ Krinock agreed to be session chair, and co-chair for the 2015 – 2016 EPC Planning cycle. We discussed rotating chairs/co-chairs for the 2016-2017 planning cycle.

VI. 2015-2016 Subcommittee Leadership – Nominate Chair and Vice Chair for the committee.

Both RJ Krinock & Mike Tallman agreed to be chair, and co-chair for the 2015-2016 EPC Planning cycle. We discussed rotating chairs/co-chairs for the 2016-2017 planning cycle.

VII. TSC - New Business

New members discussions:
 We had feedback forms, in which three individuals expressed interest in joining the Technical sub-committee. We discussed new member admission criteria, but did not come to a consensus. Greg will get feedback from the main EPC committee and share it at the next mtg.

VIII. Calendar for 2015 – 2016 - Upcoming Meeting Date Reminders:

Planned mtg dates from the main EPC are as follows:

- * 13 August
- * 24 September
- * 29 October
- * 10 December
- * 4 February (if needed)
- * Call for papers closes 2 November (may be extended) and Sessions should be final early December.
- * 2016 AIChE Spring Meeting / EPC Conference dates are 10-14 April 2016. Hilton Americas & George R. Brown Convention Center, Houston, TX

X. Review Action Item List

- a. Sub-committee members should feedback to Greg Yeo any ideas for EPC Joint Session themes/topics.
- b. Greg to get feedback on new members criteria, and discuss at August session.
- c. Mike to supply meeting dates from the EPC - done
- d. Members to report back to Jack B., on the status of any paper/authors that they investigated, at least 1 week before our next mtg on Aug 13, if they have not already done.

XI. Adjourn

Next Mtg August 13, 2015

Minutes prepared by RJ Krinock (Technology Subcommittee Chair) – July 17, 2015
Rev1 1: RJKrinock – Aug 30, 2015