

Minutes of Meeting Maintenance & Reliability Subcommittee of the Ethylene Producers Committee

DATE: August 10, 2016

LOCATION: Indorama Ventures Olefins, Westlake, LA

Minutes written by: Dane DeRouen

MEMBERS ATTENDING:

In Person

Jorge Blanco, ARVOS
Dane DeRouen, BASF
David Harrison, Eastman
CP Limaye, Indorama
Abhijit Goswami, Indorama
Alex Michinel, Indorama
Paul Van Helmond, Linde
John Weikel, BASF

By Phone

Muhammad Imran, Technip
Mike Kudijaroff, Williams
Mike Pelton, LyondellBasell
Dave Sankey, BASF
Guest: Sanjeev Kapur, APEX

The meeting was called to order at 9:03 am.

1. AGENDA

- a. Welcome & introductions
- b. Read anti-trust statement
- c. Review agenda
- d. Read and approve previous meeting minutes
- e. Elect session chair and co-chair
- f. Review & update membership list
- g. Paper topics for 2017 EPC session
- h. Assign paper sponsors as needed
- i. Other business
- j. Schedule next meetings
- k. Adjourn

2. PROCEEDINGS

- a. Dane DeRouen started the meeting with welcoming remarks and introductions.
- b. The anti-trust statement was read and the meeting agenda was reviewed.
- c. The HSE manager for Indorama, Glenn Perritt, provided a brief summary of the safety progress and statistics during the site's restoring activities.

- d. The minutes of the June 30, 2016 meeting were reviewed and approved with the only change being correction of the Indorama site location, which is Westlake.
- e. The group reviewed the latest membership list.
- We are seeking and/or waiting for replacement members from Flint Hills, Huntsman, Nova, and INEOS. Jorge said he would take on the task of contacting member companies requesting new/replacement subcommittee members.
 - CP Limaye of Indorama, Westlake, LA, is new to the committee and will be added to the membership list.
 - Sanjeev Kapur of APEX PetroConsultants requested to join the subcommittee, which will be voted on at the next meeting.
 - Jorge and Paul provided for the new members a brief explanation of the organization and purpose of the EPC and its subcommittees.
 - Refer to the EPC website for additional information and resources:
<http://www.aiche.org/community/sites/committees/ethylene-producers>
- f. Election of session chair & co-chair:
- Mike Pelton, LyondellBassell, volunteered to be session chair.
 - Mike Kudijaroff, Williams, volunteered to be session co-chair pending approval of his manager (which was obtained post-meeting).
 - Paul said he would inform Jeff Edward, EPC Program Chair, of the new session leaders.
 - Important dates for program development provided by the EPC main committee are:
 1. Call for abstracts closes: Oct 24, 2016
 2. Papers Accepted/Rejected: Nov 21, 2016
 3. Draft Schedule ready: Dec 7, 2016
 4. Online registration begins: Dec 14, 2016
 5. AIChE draft paper due: Feb 22, 2017
 6. AIChE final papers due: Mar 1, 2017
 7. AIChE draft slides due: Mar 13, 2017
 8. Conference: Mar 26-29, 2017
- g. Review & brainstorming of paper topics:
- Refer to the “2017 Maintenance & Reliability Session Topics” spreadsheet.
 - Dave Sankey is to contact Samantha Borssen at Sasol about the topic of Cold Box revamp.
 - Jorge Blanco is to contact Jim McCarter to see if Flint Hills has a topic to present on Cold Service Heat Exchangers maintenance issues and practices.
 - Dane DeRouen is to contact Karl Bishop at Westlake about possible topics around convection tube sheet failures/repairs and convection tube remaining life assessment through destructive testing.
 - The topics on environmental regulations were not supported, and the Environmental S/C is already planning a joint session with the Technology S/C.

- Mike Pelton agreed to contact Michael Gyorffy of Kubota regarding his potential paper and also other radiant tube manufacturers regarding the topic of welding of aluminum-containing alloys. The welding topic is of particular interest to the group.
- Dane will contact Solomon (Al Poling or Claire) about a presentation on Reliability and Maintenance, update on industry trends and anything specific to shale gas and the move to lighter feeds.
- It was noted that we have not received any responses from our respective organizations on Sanjeev's question of "What three things keep you up at night? i.e., what are the major items that concern M&R personnel in the ethylene plant?" He said he would contact subcommittee members directly to see if they would respond on a one-on-one basis.
- John Weikel agreed to investigate the potential topic of "Impact of Shale Gas, Gas Feeds on M&R". Muhammad recommended consideration of impact on downstream parts of the unit as well as the furnaces, such as Quench Oil tower, Quench Water Tower, Pygas, etc.
- There was not much interest in or topics brought forth on I/E M&R. Paul said that the Safety S/C is developing a topic on SIL testing.
- The topic of severe weather preparedness for hurricanes, snow storms, etc., was discussed. Jorge asked about major flooding and accessibility to the plant in such events. It was left open on the list, but no specific topics were brought forth.
- Mike Pelton commented that we need 5 to 6 good paper topics to develop into papers. Abstracts are due October 24, therefore we need concrete plans and topics established at the next meeting.

h. No other agenda topics or new business was brought forth.

i. The next meetings were scheduled as follows:

Wednesday, Sept. 7 hosted by Dane DeRouen at BASF-TOTAL Port Arthur for the "main/central" meeting and Jorge Blanco will host a Houston area satellite meeting at his ARVOS-Schmidtsche office.

Wednesday, Oct. 5 hosted by Mike Pelton at LyondellBasell Channelview for the "main/central" meeting and Mike Kudjaroff will host a Baton Rouge/Geismar area satellite meeting at Williams.

Meeting adjourned about 10:40 am. After the meeting, Alex Michinel provided a driving tour of the Indorama site for those interested.

Attachment:

"2017 Maintenance & Reliability Session Topics 2016-08-15"