

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

DATE: November 10, 2015

LOCATION: LyondellBasell, TX; hosted by Mike Pelton

Minutes written by: Jorge Blanco and Dane DeRouen

MEMBERS ATTENDING:

In Person

Jorge Blanco, ARVOS
Dane DeRouen, BASF
David Harrison, Eastman
Michael Pelton, LyondellBasell
Keith Wade, Zeeco
Paul van Helmond, Linde

By Phone

Karl Bishop, Westlake
Shailendra Inamdar, Linde

The meeting was called to order at 9:05 am.

1. AGENDA

- a. Welcome
- b. Read anti-trust statement
- c. Review agenda
- d. Review & approve previous meeting minutes
- e. Finalize 2016 Paper Topics
- f. Review Draft Abstracts
- g. Next Steps/Needs for Abstracts Paper
- h. Other S/C Business
- i. Next Meetings
- j. Adjourn

2. PROCEEDINGS

- a. The meeting kicked-off with the reading of the anti-trust statement, and was followed by a review of the Meeting Agenda. A review and update of the membership list was added to the Agenda.
- b. The minutes of the October 15, 2015 meeting were reviewed and approved.
- c. Keith Wade and Mike Pelton uploaded the paper abstracts to Confex by the November 2 deadline. During the meeting today, Dane DeRouen compared the abstracts uploaded with the list of the proposed paper topics on the Excel file. Seven (7) papers have been shortlisted from a total of ten (10), six (6) being consider finalist, 1 paper (offered by

Kubota) to be held on stand-by. Keith Wade informed that 3 additional papers were submitted and uploaded by the authors to Confex. Two (2) of the papers were transferred to other Subcommittees, the 3rd from Kubota was reviewed during the meeting, the notes will follow.

d. Review abstracts.

- i. Two Rope Access papers were considered, the one submitted by TC Cannon will be used, and the one offered by Eastman will be dropped. David Harrison will explain to contractor that it may be considered for the following year.
- ii. The paper uploaded by Kubota was thought by the group to be self-promoting. Having an end user co-author, testimony or experience would be a plus. The author will be invited to make a presentation at the next S/C scheduled meeting to present their anti-coking metallurgy. The paper maybe further considered if the tone of the paper changes and held as a back-up paper for the 2016 conference.
- iii. Quest was asked to present 2 papers, both will presented:
 1. Radiant Tube Inspection
 2. Convection tube Inspection
- iv. Zoloscane paper would be better if an end user could corroborate application.

e. The abstracts which were uploaded were edited by the group. The authors will be sent the re-written abstracts for approval, and updated on Confex.

f. Wrote Session Description

Producers, technology suppliers and vendors will explore innovative approaches to maintenance and reliability of olefins plant equipment including cooling water systems, furnaces and flares. This session will focus attention on often-overlooked cooling water systems, addressing cooling tower inspection and repair and cooling water system pre-commissioning and preservation for extended outages. Novel methods and tools to enhance reliability of furnaces and flares will be presented as well.

g. Finalized List of Papers

Table follows:

2016

Area of Interest	Title	Status	Author	Sponsor	Remarks
Cooling Water System	Cooling Tower Inspection and Repairs	firm	S. Pierce, L. Speyerer, J. Vernon	M. Pelton	abstract submitted (LyondellBasell, Equistar)
Cooling Water System	Unique Pre-Cleaning and Passivation Challenges in Cooling Water Systems	firm	R. Fruit, Athlon	TC Cannon	abstract submitted
Furnaces-Combustion	Improving Combustion Efficiency, Reliability, and Safety in Large Fired Heaters Utilizing Multiplexed Laser Based Monitoring and Diagnostic Systems	firm	Greg Heilbrunn, Zolo	J. Blanco	abstract submitted
Furnaces-Convection	Utilizing Ultrasonic in-Line Inspection Technology to Manage Ethylene Furnace Convection Section Reliability	firm	D. Meinen, Quest	DeRouen	abstract submitted
Furnaces-Radiant Section	Case Study on Inspection of Ethylene Furnace Radiant Tubes	firm	K. Stevens, Quest	DeRouen	abstract submitted
Rope Access for Inspections & Repairs	Innovative Solutions for Flare Stack Inspection, Maintenance, Repair and Other Work Scopes Using Rope Access Techniques	firm	Howard Wall, MHT	TC Cannon	abstract submitted

h. Important dates for paper development & submittal:

1. Main EPC call for papers is open now until Nov. 2
2. All abstracts are to be uploaded by Dec. 1
3. Changes can be made to abstracts Dec. 1-15
4. Draft papers to the subcommittee by Jan. 14, 2016
5. Final papers are due to main EPC for uploading March 15, 2016
6. Draft presentations are due to the EPC March 29

i. Next Meetings:

- i. December 10 at BASF Total, Port Arthur, TX
- ii. January 21 at Williams, Geismar, LA (to be confirmed)
- iii. February 18 at Huntsman (ask Brian Allen if he can host the meeting)
- iv. March ???????

j. Subcommittee Directory

The list was reviewed, edited and updated.

Meeting adjourned at 11:30 am