EPC MAINTENANCE & RELIABILITY SUBCOMMITTEE MEETING

Location: Eastman Chemical, Longview, TX Date: Wednesday November 7, 2018

Minutes Written By: Tom Garza

MEMBERS ATTENDING:

In Person: Tom Garza (ChevronPhillips) David Harrison (Eastman) Jorge Blanco (ARVOS) Keith Wade (ZEECO) Phone: Linda Robinson (Knighthawk) Thomas Garza (ChevronPhillips) Dane DeRouren (BASF) Dave Sankey (BASF)

Shailendra Inamdar (Linde) Mike Pelton (LyondellBasell) Mark Karrs (Becht)

The meeting was called to order at approximately 9:20 AM.

Proceedings:

- I. Tom Garza called the meeting to order and introductions were made around the table and on the phone.
- II. Tom read the anti-trust statement to start the meeting.
- III. Safety / Reliability moment David discussed using "The Right Tool for the Right Job". Discussions centered around using a hammer and chisel in lieu of the right wrench to remove nuts.
- IV. Tom reviewed the agenda highlighting the points to be discussed during the meeting.
- V. Tom read the Minutes of the October 10, 2018 meeting which were approved without changes.
- VI. Tom Garza, Jorge Blanco and Mike Pelton updated and summarized the S/C on the status of the Technology and Maintenance & Reliability Joint Session.

Jorge mentioned that while attending the European Ethylene Producers Conference, he had discussion with Schmidt and Clemens (S&C) regarding the potential of a joint presentation with ChevronPhillips. Due to time constraints this was tabled and decided that S&C will present without a co-author.

It was mentioned that the Joint Technology Session seems to have 3 - 4 abstracts in hand. The following abstracts have been provided:

- Schmidt + Clemens: A 15 Year Field Performance Review of New Coil Technologies for Steam Cracking Furnaces
- Kubota: MERT Technology
- Kubota: UCX
- MetalTek: TBD

VII. Paper Topics for 2019 EPC Sessions & Review of Abstracts

Tom mentioned that the Excel spreadsheet has been updated to identify the "Potential Topics" for 2019". Currently, we have 7 potential topics which includes 6 abstracts. An additional abstract has been submitted by E2G to the Convex and has been included within the Excel spreadsheet. The Excel Sheet is being updated by Tom after the meeting and will be issued to all subcommittee members to reflect the outcome of our meeting. Abstracts for 6 of 7 potential papers were reviewed and comments noted on the Excel spreadsheet.

Tom will issue abstracts with comments to the respective authors and co-authors for final comments and review. All abstracts are due back from the respective authors no later than close of business on Monday, November 12th.

A request was made by Jorge to engage M&R Subcommittee members to sponsor one of the 6 – 8 papers for review. This include review of the respective paper, PowerPoint and communicating with the respective authors. This will be further discussed at our next meeting in December.

VIII. Additional Items

A request was made by subcommittee members to issue the final the version of the EPC M&R Subcommittee Member List. Final members list to be issued.

Submittals of Papers and Presentations were briefly discussed, and confirmation of dates will be requested from Sanjeev Kapur and will be discussed at our next meeting in December.

- IX. Abstracts
 - a. Due Date: Nov. 12th

X. Next Meeting

- a. Wednesday, December 5th, at BASF Total, Port Arthur, TX
- b. Wednesday, January 16th, at Knighthawk Engineering, Houston, TX (Start time 9:00 am)
- XI. Meeting Adjourned at 11:00 am