

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

DATE: August 13, 2015

LOCATION: Huntsman, Port Neches, TX, hosted by Joe Martin

Minutes written by: Dane DeRouen

MEMBERS ATTENDING:

In person:

Jorge Blanco, ARVOS
Dane DeRouen, BASF
David Harrison, Eastman
Muhammad Imran, Technip S&W
Joe Martin, Huntsman
Dave Sankey, BASF

By phone:

Samantha Borssen, Sasol
Tom Garza, CP Chem
Dan Barnett, BD Energy (att. part time)
Mike Pelton, Lyondell-Bassell

The meeting started around 9:15 am.

AGENDA

1. Read anti-trust statement
2. Review & approve previous meeting minutes
3. Elect officers for 2015-2016
4. Review list of potential topics for 2016 EPC Session
5. Update Member List
6. Review & discuss sub-committee bylaws draft received from main EPC
7. Schedule next meetings

PROCEEDINGS

The meeting began with the reading of the anti-trust statement.

Minutes from the previous meeting were reviewed and approved.

Dane DeRouen was confirmed as new sub-committee chairman for 2015-2016. Mike Pelton agreed to be session co-chair. Keith Wade was nominated as session chair but his acceptance of the position will be confirmed since he was not present for the meeting.

The list of potential paper topics was reviewed and discussed. Refer to the attached list for details and status of each topic. One possible theme proposed was "innovation in maintenance & reliability," with a focus on the latest inspection and testing techniques and innovative repair case studies. Examples discussed included smart pigging of convection tubes, radiant coil inspection "crawler", acoustic emission testing of in-service TLE's, IRIS inspection of TLE's, rope access for inspection and repairs, and trenchless repair of underground piping.

Muhammad Imran also suggested a paper topic addressing the maintenance related impacts of switching to from liquid to gas feeds. He referred to a paper presented at a recent Technip S&W

ethylene forum on the operational impact from converting to ethane/lighter feed, but taking that a step further, what maintenance issues arise from those process changes? This topic may be investigated further, and Muhammad said he would share the paper with the group.

These next meeting dates were set by the team:

Thursday, Sept. 10, 2015 to be hosted by Samantha Borssen at Sasol, Westlake, LA.

Thursday, Oct. 15, 2015 to be hosted by David Harrison at Eastman Chemical, Longview, TX (to be confirmed).

No other new business was brought forth.

The conference call was ended at this point, but those in attendance at Huntsman reviewed the "Guidelines for Subcommittees Rev2 DRAFT Aug 2015" provided by Paul Van Helmond for potential adoption by the sub-committee. Jorge said he would review the document and compare it to the draft bylaws previously developed by sub-committee and distribute them to the team for review. Any finalized version of the bylaws to be adopted by the sub-committee must be submitted to the main EPC for approval.

Prior to ending the meeting, the subcommittee membership list was reviewed. Jorge said he would follow-up with Eddie Carter at Ineos about a replacement for him. Dane said he would contact inactive members to encourage participation and/or offer a recommendation for replacement on the sub-committee.

The meeting adjourned.

Attachments:

"2016 Maintenance & Reliability Session Topics update 2015-08-13.xlsx"

"Guidelines for Subcommittees Rev2 DRAFT Aug 2015.docx"