

Minutes of Meeting: **EPC Maintenance & Reliability Subcommittee**
Minutes written by: Jorge Blanco

Meeting Date: February 20, 2014

Meeting Location: Zeeco Houston, Texas
Hosted by Keith Wade

Members Attending:

Muhammad Imran - Technip
Trobie Thompson – Sasol
Dan Barnett – BDEnergy
Keith Wade - Zeeco
Jorge Blanco - Alstom

Via Web Conference:

John Holbrook, Dow
Dave Oulton, Nova

Meeting Started at 9:00 am

Antitrust statement: The Antitrust Statement was read to kick off the meeting.

Minutes of the January 23, 2014 meeting were read and approved

Next Meeting Schedule

March 13, 2014 Dow Chemical web conference to be hosted by John Holbrook

Discussions:

Trobie will check numbering of the papers and tutorials.

Muhammad will send notes to authors requesting the name of the presenter, and authorization to publish the papers.

Muhammad will provide name of the presenters to the AIChE, which in turn will inform the presenters about the recording of select presentations and will ask for permission to record and webcast their presentation.

The accompanying table updates the status of both the Tutorial Session and Paper Sessions.

The following was read/reviewed during the meeting. Comments will be furnished to the authors by their sponsor.

Paper Session.

1. Repair and Reclamation of Ethylene Plant Equipment, Dave Oulton. The draft of the paper was reviewed; it is on the way to being a great paper. Dave will have the final paper by February 28 as well as the draft of the presentation.
2. Ethylene Furnace Reliability Refractory Engineered Solutions for Cracking Furnaces, Malcom Peirson. The paper and Presentation need further work. Trobie will contact Mack to provide comments to the both the paper and the presentation; and she will check with the EPC if there is still an opportunity to add the word "Furnace" to the title.

3. Improve Furnace Availability and Control Downtime, Shailendra Inamdar and Robert Stegemann. Excellent paper. Jorge will contact Shail and inform him to finalize it. The presentation was reviewed; Jorge will send Shail the S/C comments.

Tutorial Session:

1. Decoking Method Tutorial, Brian Sullivan. Brian delivered an excellent presentation. Minor comments will be sent for him to finalize it.
2. Steam System, Mark Karrs. Mark provided a very comprehensive presentation. Comments will be sent to him so he can finalize the presentation.

Tutorial Session and Paper Session Updates.

2014 EPC, New Orleans, LA						
M&R Subcommittee Potential Session/Papers updated February 20, 2013						
	Topic	Sponsor	Author	Status	Comments	
1	<u>Ethylene Plant Furnace Tutorial.</u>			Session Title and description finalized and uploaded		
1a	Radiant Coils	Trobie Thompson	Trobie Thompson	Trobie will finalize presentation and share with S/C	Trobie to submit finalized presentation.	
1b	Decoking Method	Mark Karrs	Brian Sullivan	Submitted presentation 2/20/2014	comments will be sent to Brian so presentation can be finalized.	
1c	Convection Section	Muhammad Imran	Mike Pelton	Will submit by 2/21/2014		
1d	Steam System	Trobie Thompson	Mark Karrs	Submitted presentation 1/22/2014	comments will be sent to Mark so presentation can be finalized.	
2	<u>Maintenance & Reliability Considerations for Improving Furnace Efficiency and Operability.</u>			Session Title and Description finalized and uploaded		
2a	Improve Furnace Availability and Control Downtime	Paul	Shailendar Inamdar, Linde	Submitted updated paper and presentation	Paper can be finalized. Presentation needs some editing	High
2b	Repair and Reclamation of Ethylene Plant Equipment	Jorge	Dave Oulton	Dave submitted updated paper	Paper can be finalized after incorporating S/C comments. Dave will submit presentation by Feb. 28.	High
2c	Ethylene Furnace Reliability Engineered Solutions for Cracking Furnaces	Trobie	Mack Pierson	Mack updated the paper	Paper and Presentation need work. Trobie will meet with Mack to take him through the S/C suggestions.	
2c	Cracking Furnace Fuel Supply Challenges, Opportunitites and Improvements	Jorge	Dan Barnett	Paper withdrawn by author. The abstract was edited and reformatted to paragraph form, reviewed approved	Dan requested to withdraw paper due to very heavy work load not allowing him to prepare a quality paper	Withdrawn
2e	Automatic Operation of Transfer Line and Decoke Valves - Flexibility and Process Safety	Jorge	Marcel Schade, Z&J	The paper was updated, waiting for presentation	Presentation has not been submitted. Paper is being edited by the author.	High
2f	Optimization best practices for steam traps, lost energy, and design for safety.	Dane	Carl Matherne, Neil Davies	Paper is well advanced, presentation was received 02/20/2014	Paper can be finalized. Presentation has to be reviewed.	High