

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

Meeting Date: September 26, 2013

Meeting Location: Linde Engineering, Houston, TX
and via Live Meeting / Phone Conference

Members Attending:

At Linde

Paul Van Helmond – Linde
Dane DeRouen - BASF
Eddie Carter – Ineos
Trobie Thompson – Sasol
Jorge Blanco - Alstom

On Phone conference:

Mark Karrs – Becht Engineering
Carl Matherne – BASF
Mike Pelton - LyondellBasell

Guest: Shailendra Inamdar – Linde – to discuss Furnace Survey intro to the Furnace Tutorial Session.

Meeting Started at 9:05 am

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

Meeting Minutes from August 22, 2013: Reviewed and Approved.

Next Meetings

October 31, 2013 – Hosted by Mike Pelton at LyondellBasell in Channelview, TX

November 21, 2013 – Hosted by John Holbrook - Dow Plaquemine, LA

2014 conference:

During the meeting today the S/C members agreed and confirmed that it will hold two Sessions; a Furnace Tutorial (presentations only) and a Paper Session (paper and presentation). Notes from our discussion are summarized in the table following the notes.

Trobie Thompson volunteered to Chair both sessions. Muhammad Imran, who could not attend the meeting due to a late conflict, may co-host either session or both. Jorge Blanco will stand in if necessary.

Furnace Tutorial

The topics to be presented in the Tutorial Session will not require a paper. However, short abstracts describing the topics are required from all presenters. The descriptions will be used to describe the Session in the Conference Program. Twenty to twenty-five minutes will be allowed for each presenter.

Paper Session

Six papers are considered for this session, five are solid possibilities. We will explore number 2f, Furnace Maintenance Techniques, further.

2014 EPC, New Orleans, LA						
M&R Subcommittee Potential Session/Papers updated September 26, 2013						
	Topic	Sponsor	Author	Status	Comments	Potential for follow through?
1	Furnace Tutorial Session					
1	2009 Furnace Survey	P. Van Helmond	Shailendar Inamdar, Linde	Shailendar's abstract was reviewed and with modification fits well in the program.	It was confirmed to open the furnace tutorial session with this topic. Shailendar will prepare presentation in coordination with Trobie who leads the Session. No paper needed.	High
1a	Radiant Coils	Trobie Thompson	Trobie Thompson	Trobie will lead this section, abstract required.	Abstracts description to be used for the Session Description in the Program	High
1b	Convection Section	Muhammad	Mike Pelton	Mike will lead this section, abstract required.	Incorporate P91 experience into this section. Polythionic acid stress corrosion may also be a point of interest.	High
1c	Steam System	Trobie	Garza	Thomas Garza to lead section, abstract required.	Dave Oulton and Thomas Garza did not attend meeting today, they need to cooperate in the area of TLE repairs and decide each others scope	High
1d	Decoking Method	Mark Karrs	Brian Sullivan	Mark Karrs to request Brian to submit abstract based on 20 - 25 minute time slot. Brian to prepare presentation only, no paper required.	Decoking basics to be covered keeping in mind it should be general and address radiant coil and TLE decoke.	High
2	Furnace Paper Session					
2a	Safety, Maintenance, and Reliability Issues with Furnace TLV/Decoke Valves	Jorge	Marcel Schade, Z&J	Abstract was submitted on Sept 26, but did not arrive in time to review in the meeting	Potential for Z&J to give an overall explanation of the section of the plant/process that is shown in their schematic with TLV and decoke valves (decoking and single furnace isolation from the main transfer line. Point out concerns (safety, maintenance and reliability) and how the industry has addressed them. Additionally Paul suggested including information on automatic operation system for valves.	High
2b	Fuel Flow Firing Uniformity Check	Jorge	Dan Barnett	Abstract was submitted on Sept 26, but did not arrive in time to review in the meeting	Fuel supply check for improving burner and firing distribution. Test the system valve by valve prior to start-up so you can better assure the uniform flow and hence performance of the burners. And associated with this topic, issues related to maintaining a reliable fuel system to the burners.	High
2c	Reliable COT Measurement	Dane	Joint Brown from BASF/ Brette Hgedom and Paul Laskoski from CPChem	Abstract was received and reviewed. Comments to be furnished be Dane to Mr. Brown	Optical device to improve reliability of COT with respect to erosion, etc. CP Chem's actual results of the technology.	High
2d	Optimization best practices for steam traps, lost energy, and design for safety.	Dane	Carl Matherne, co-author	Abstract was received and reviewed. Carl took recommendations and will re-submit abstract.	Focus on steam traps	High
2e	Retrofit Magnetic Couplings for Maintenance and Energy Savings (ID Fan Application)	Mark Karrs	Jake Lee, MagnaDrive Corp.	Abstract was reviewed in the previous meeting. Mark working with authors to come with a viable approach for the paper.	An ethylene end users has not been found that could co-author or present. Alternatives such as application on an induced fan in and EDC plant is a possibility.	Good
2f	Furnace Maintenance Techniques (repair reclamation techniques)	Jorge		Dave Oulton to talk with Garza and then send an abstract. How to take equipment and refurbish to extend life without buying new piece of equipment.		Questionable

Meeting Adjourned at 10:20 am