

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

**Meeting Date:** October 31, 2013

**Meeting Location:** LyondellBasell, Channelview, TX  
and via Live Meeting / Phone Conference

**Members Attending:**

**At LyondellBasell**

Mike Pelton – LyondellBasell  
Muhammad Imran - Technip  
Jorge Blanco - Alstom

**On Phone conference:**

Mark Karrs – Becht Engineering  
Eddie Carter – Ineos  
Dane DeRouen - BASF  
Trobie Thompson – Sasol  
John Holbrook - Dow  
Dave Oulton – Nova

**Meeting Started at 9:05 am**

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

**Meeting Minutes from September 26, 2013:** Reviewed and Approved.

**Next Meetings**

November 21, 2013 – Hosted by John Holbrook - Dow Chemical, Plaquemine, LA  
January 23, 2013 – Hosted by Muhammad Imran – Technip Stone & Webster Technology

**2014 conference:**

The 2014 AIChE Spring Meeting and Ethylene Producers' Conference will be held March 30 to April 1 in New Orleans.

The Maintenance and Reliability Subcommittee will host two Sessions:

1. Paper Session: Maintenance & Reliability Consideration for Improving Furnace Efficiency and Operability
2. Tutorial Session: Ethylene Plant Furnace Tutorial

The Chair for both Sessions is Trobie Thompson, the Co-chair is Muhammad Imran.

**Abstracts:**

Abstracts for both Sessions have been uploaded to Confex. They were reviewed during the meeting. Respective edits and changes will be given to the authors for final approval.

Detailed information about the authors is required to complete the entries on Confex. This includes:

Complete Name, Title and Company Name.

Physical Address, Email address and contact telephones.

**Important Dates:**

October 28, 2013	Abstract Submission Closed
November 1 – 15	Final and approved abstracts must be uploaded to Confex. Complete information is required from all authors.
November 15, 2013	Session chairs to accept/reject/order papers
November 21, 2013	During S/C meeting at Dow, review the Tutorial slide presentations.

**Session Program:**

**Tutorial Session**

The tutorial will consist of four sections as noted in the table below. Forty to forty five minutes will be allowed for each presenter to talk about the topic and including time for Q&A's. Seed questions will be prepared to further encourage discussion.

**Paper Session:**

Six papers will be presented. Twenty to twenty-five minutes (including Q&A) will be allowed for each speaker. The table that follows lists the papers in the order that they will be presented.

2014 EPC, New Orleans, LA						
M&R Subcommittee Potential Session/Papers updated October 31, 2013						
	Topic	Sponsor	Author	Status	Comments	Potential for follow through?
1	Ethylene Plant Furnace Tutorial			Session Title and Description has been finalized		
1a	Radiant Coils	Trobie Thompson	Trobie Thompson	The abstract was reviewed and approved	Final	High
1b	Convection Section	Muhammad Imran	Mike Pelton	Mike Pelton did not have copy of first Tutorial, he will submit an abstract in the next few days. He will consider how he wants to approach the totrial and may incorporate P91 experience into this section. Polythionic acid stress corrosion may also be a point of interest.	Mike Pelton to submit abstract	High
1c	Steam System	Trobie Thompson	Mark Karrs	The abstract was reviewed and approved	Final	High
1d	Decoking Method	Mark Karrs	Brian Sullivan	Brian's abstract was aproved	Requires Brian's final approval	High
2	Maintenance & Reliability Considerations for Improving Furnace Efficiency and Operability.			Session Title and Description has been finalized		
2a	Improve Furnace Avaiability and Control Downtime	Paul	Shailendar Inamdar, Linde	The abstract was reviewed and approved	Authors approval required; as well as, address, email, and telephone	High
2b	Repair and Reclamation of Ethylene Plant Equipment	Jorge	Dave Oulton	The abstract was reviewed and approved	Final	High
2c	Cracking Furnace Fuel Supply Challenges, Opportunitites and Improvements	Jorge	Dan Barnett	The abstract was edited and reformatted to paragraph form, reviewed approved	Author final approval required.	High
2d	Maintenance and Reliability of Coil Outlet Temperatre Measurements on an Ethylene Fruance	Dane	Joint Brown from BASF/ Nicholas Graham, Brette Hgedorn, and Paul Laskoski from CPChem	The abstract was reviewed and with a few suggestions for the author will be returned to the author	Detailed contact information required from the authors. Must list authors by priority and nominate presenter	High
2e	Automatic Operation of Transfer Line and Decoke Valves - Flexibility and Process Safety	Jorge	Marcel Schade, Z&J	The abstract was reviwed and approved with minor corrections.	Authors must approve. Authors must submit complete name, company, address , email and phone number.	High
2f	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.	Author final approval required, Need all contact information from Neil Davies.	High
	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.	postponed for future conference

Meeting Adjourned at 10:20 am