

## EPC MAINTENANCE & RELIABILITY SUBCOMMITTEE MEETING

Location: Flint Hills, Port Arthur, TX

Date: Wednesday, July 19, 2017

**Minutes Written By:** David Harrison

### **MEMBERS ATTENDING:**

#### **In Person:**

Dane DeRouen (BASF)  
Jorge Blanco (ARVOS)  
Nick Blanco (ARVOS)  
David Harrison (Eastman)

Tatiana Randall (Flint Hills)  
Jim McCarter (Flint Hills)  
Dan Barnett (DB Energy Systems)

#### **Phone:**

Mike Pelton (Lyondell)  
Sanjeev Kapur (APEX)  
BJ Byers (DOW)  
Dave Sankey (BASF)  
Emily Leturno (DuPont)

Blake Landry (OXY Chem)  
Chinh Dang (Technip)  
Shailendra Inamdar (Linde)  
Paul Van Helmond (Linde)

The meeting was called to order at approximately 9:20 AM. (The meeting was delayed due to Web EX setup difficulty.)

### **Proceedings:**

- I. Introductions (In Person and On Phone)
- II. Review Agenda
- III. Read Anti-Trust Statement
- IV. Host Site Introduction
  - a. Tatiana Randall provided an overview of Flint Hills
- V. Review and Approve Previous Meeting Minutes
  - a. The June 28, 2017 meeting minutes were approved unanimously
- VI. Demo of EPC Website Links & Resources by Sanjeev Kapur
  - a. Committee Procedures and Proceedings
  - b. Leadership
    - i. Session Chairs
  - c. Main Committee Resources
  - d. Subcommittee Resources
  - e. Useful Links
  - f. [epc.omnibooksonline.com](http://epc.omnibooksonline.com)
    - i. Can be used to locate past EPC presentations, safety incident database, feedstock contaminants database and learning modules

- ii. Access to the website is available by subscription, which most of the EPC member companies and technology companies have.

VII. Membership List Update

- a. Added: Emily Leturno (DuPont), BJ Byers (Dow),
- b. Removed: Craig Webb (Dow)
- c. Tatiana Randall reported Bruce Scott (Flint Hills) will not be joining the subcommittee.

VIII. Paper Topics

- a. Topics of Interest: Convection Section Tubesheet Failures and Convection Section Tube Expected Life
  - i. Jorge Blanco has contacted CP Lemaye regarding Convection Section and is waiting for a reply. Sanjeev Kapur will also contact some companies to determine interest.
- b. Tatiana Randall asked about spring hangers around heaters, radiant coil supports – inspection & maintenance. This was generally addressed in a furnace tutorial presentation previously.
- c. Topic ideas by Emily Letourno
  - i. Leak Clamps (Tatiana Randall will contact Colt for a potential paper)
  - ii. Maintenance of utilities steam systems as they age
- d. Cold section flange leaks after plant starts up
  - i. Jorge Blanco will contact Linde and see if they might have some knowledge
  - ii. Tatiana Randall will contact gasket vendor for recommendation (Flexitallic). It was also suggested to invite Flexitallic to present at a future subcommittee meeting.
- e. Fitness for Service and API 579 overview presentation
  - i. Jorge Blanco will contact Tom Garza about an application on TLE's by KnightHawk Engineering.
  - ii. Sanjeev Kapur suggested contacting Ralph King at Stress Engineering. Dane DeRouen will contact him.
- f. BASF paper topic: Venturi Technology as Steam Trap
  - i. Dane DeRouen will follow up with Hung Mai for an abstract
- g. There are three abstracts available that were submitted last year that were not used, which could be considered:
  - i. On corrosion in the petrochemical industry by Y. Kumar et al
  - ii. Manoir's Coatalloy radiant coil technology by H. Chasselin
  - iii. HEXSOL TLE, stiffening of TLE tube sheets by L. Zanardi
- h. Industry 4.0 applications
  - i. Jorge Blanco suggested splitting the session with ½ the content focused on up and coming technology tools
  - ii. Dane DeRouen will try to get an author on this topic within BASF.
  - iii. Jorge Blanco suggested TrendMiner either for a paper on their software or for a presentation during a future subcommittee meeting.

IX. 2017 Session Lessons Learned and Ideas for Improvement

- a. Better utilize paper sponsors to follow up with presenters
  - i. Each presenter needs one contact/sponsor from the subcommittee to maintain communication with the authors

1. More updates on papers
2. When abstracts and papers are due
3. Inform presenters they need to register for the conference and pay to attend
4. etc

X. European EPC Interaction

- a. Dane DeRouen would like to have better communication with the European EPC. Dane will check with Theo Kniff if it is ok to share some of their meeting minutes/information with our subcommittee.

XI. New or Other Business

- a. It was agreed to invite Stellar Materials to present "Maftec" during our August meeting.
- b. The position for Session Chair is still open.

XII. Next Meeting

- a. August 23<sup>th</sup> (Wednesday) at Technip (Houston, TX) at 10 am
  - i. Jorge Blanco will work on satellite meeting with Williams in Geismar, LA.
- b. September 20<sup>th</sup> (Wednesday) at \_BASF or SASOL (proposed) at 9 am
- c. October 25<sup>th</sup> (Wednesday) at \_\_BASF or SASOL\_\_\_\_\_ at 9 am
- d. November 15<sup>th</sup> (Wednesday) at Eastman (Longview, TX) at 9 am

Meeting Adjourned: 11:40 AM