

EPC MAINTENANCE & RELIABILITY SUBCOMMITTEE MEETING

Location: LyondellBasell, Channelview, TX

Date: Wednesday August 8, 2018

Minutes Written By: Thomas Garza

MEMBERS ATTENDING:

In Person:

Mike Pelton (LyondellBasell)

John Weikel (BASF)

Thomas Garza (ChevronPhillips)

René Kulik (ARVOS)

Jorge Blanco (ARVOS)

Phone:

Dane DeRouen (BASF)

David Harrison (Eastman)

Mark Karrs (Becht)

Jerry Garza (LyondellBasell)

Sanjeev Kapur (APEX)

Shailendra Inamdar (Linde)

The meeting was called to order at approximately 9:08 AM.

Proceedings:

- I. Tom Garza called the meeting to order and introductions were made around the table.
- II. The anti-trust statement was read.
- III. The agenda was reviewed.
- IV. Safety / Reliability moment
- V. Mike Pelton spoke briefly on the importance of proper glove selection for the prevention of hand injuries and shared some examples of what types of new, specialized gloves are available
- VI. Approved previous meeting minutes.
- VII. Review of membership list and new member voting
 - a. René Kulik of ARVOS Schmidtsche Schack, was invited to join the subcommittee. René was voted into membership unanimously by those present.
 - b. The existing membership list was reviewed. It was agreed that those listed that have not been active in the last year will be contacted, asked if they want to participate in the subcommittee, and removed from the list if no response. Tom will confirm by email who each agreed to call.
- VIII. Topics & Themes for 2019 EPC Session Discussions
 - a. Discussions of M&R 2019 Themes
 1. Optimization & Furnace Inspection Technologies
 2. Radiant Coil Metallurgy and Anti-Coking Developments – Possible Joint Session Technology S/C and M&R – Sanjeev Kapur to discuss with Technology S/C if interested.

- b. Began by reviewing topics list from last year. During this process, potential topics were noted as potential papers, while other were moved to 2020 and the remainder were removed for the list.
 - c. Topics discussed as potential papers included:
 1. Industry 4.0 applications. EPC will have a Session on Big Data, Dow personnel sort of lead the effort. BASF using tablets to enter field data. LYB use Intellect Track Modified
 2. Furnace Instrumentation, consideration of EPTUS from Crest a crawler for inspection of radiant coils. Also Coke Buster, TubeTec (UK), and Quest. Temperature measure using thermal couples on coils, contact WIKA Gayesco, Dow Taft maybe using it, Jorge to contact Richard Rolke at Dow. Exactus – BASF technology, tried to get a presentation but no producer to co-author. Daily Thermetrics in Houston can be a source.
 3. Fitness-for-Service – TLE’s CPChem presented in 2018. Gary Krnoner of CSI inspections to be contacted – Inspection Aspects
 4. Radiant Coil Improve Runlength via New Technology; what’s new? Find producer application.
 5. Furnace radiant coils: damage mechanisms, new alloys, etc.
 6. Furnaces – ID Fan Applications, look for a joint paper with supplier and producer. Look at variable speed drivers for ID fans. Sanjeev interested in reliability; S/C members participating in meeting today have no experience.
 7. Furnaces – Tunable Diode Laser Systems for Furnace Optimization, from Zolo
 - d. Topics Moved to 2020
 1. Furnaces – Refractory
 2. Recommissioning idea based on Indorama starting up push to 2020
 3. Furnaces – TLEs
 4. Utilities: Steam Systems
 5. Heat exchangers – Plate & Frame
- IX. Abstracts
- a. DUE DATE: NOV. 12TH
- X. Joint Session – Technology and M&R
- a. Possibility of a Technology and M&R Session. The papers for this Joint Session will focus on new coil metallurgy, technologies and anti-coking technologies.
- XI. Next Meeting
- a. Wednesday, September 12th at Chevron Phillips Cedar Bayou Plant, Baytown, Tx.
 - b. Wednesday, October 10th, with host to be determined.
 - c. Wednesday, November 7, at Eastman Chemical, Longview Tx.

XII. Presentation – Sandvik, “Khanthal APMT” by Katie Day

a. Katie Day – Contact Information

Katie Day
Sandvik Materials Technology - NAFTA TUBE
Technical Marketing Specialist
C: 346.229.9931
katie.day@sandvik.com



b. Khanthal APMT Presentation



XIII. Meeting Adjourned at Noon.