

**EPC MAINTENANCE & RELIABILITY SUBCOMMITTEE MEETING**

Location: MS Teams / ARVOS Office

Date: December 13<sup>th</sup>, 2023

**Minutes Written By:** Martin Stoessel

**MEMBERS ATTENDING:**

- |                                   |                              |
|-----------------------------------|------------------------------|
| Martin Stoessel (ARVOS)           | Dane DeRouen (BASF)          |
| Wei Sun (ARVOS)                   | Tyler Cunningham (INEOS)     |
| Lucas Baldesberger (E2G)          | James Cleavinger (CP-Chem)   |
| Mark Karrs (Becht)                | Tom Garza (Knighthawk)       |
| Robert Pritchett (LyondellBasell) | Aravind Subramani (Indorama) |

The meeting of the EPC Maintenance and Reliability Subcommittee (SC) was hosted by Martin Stoessel in MS Teams. The meeting was called to order at 10:03 AM CST.

**Proceedings:**

- I. Called to order, reviewed agenda, and read anti-trust statement.
  
- II. Reviewed minutes of the November 08<sup>th</sup>, 2023, meeting.  
A motion to approve the minutes as amended was made by Dane DeRouen, with a second by Mark Karrs. The minutes were approved as read.
  
- III. Abstracts, Papers and Presentations
  - Schedule for presentations was shared by Tom Garza

Start Time	Preferred Format	Special Duration (min.)	Final Paper Number	Group	Order Within Group	Accept	Reject	Transfer <small>All None</small>	Entry
2:30 PM	Oral Only	25			1	A		<input type="checkbox"/>	(id=679756) PREDICTING THE REMAINING LIFE OF CRACKING COILS: AN APPROACH BASED ON MATERIAL DEGRADATION . R. Andrade, M. J. G. Dessi, W. A. Silva, and D. M. Guarnieri
2:55 PM	Oral Only	25			2	A		<input type="checkbox"/>	(id=679759) CARBOWALL SYSTEM CASE STUDY AT PETROBRAS REFINING REPLAN IN 2010 AND RPBC IN 2023 . J. C. Belotti, L. Henrique Rodriguez de Mattos Gobbo, M. Guilherme Camparotto, L. Colombo, M. Gorby, and J. Smith
3:20 PM	Oral Only	25			3	A		<input type="checkbox"/>	(id=679758) ADVANCES IN PSA VESSEL LIFE MANAGEMENT . S. Altstadt, A. Karstensen, and K. Picioccio
3:45 PM	Break	20			4	A		<input type="checkbox"/>	(id=680005) Break .
4:05 PM	Oral Only	25			5	A		<input type="checkbox"/>	(id=678296) Selecting Location of IR Cameras for Thermal Imaging of Ethylene Cracker Furnace in a Brownfield Project . R. Limaye, J. Cross, and Z. Lin
4:30 PM	Oral Only	25			6	A		<input type="checkbox"/>	(id=678167) Enhancing Ethylene Cracker Radiant Tube Integrity through Innovative Robotic Inspection . M. Zhang
4:55 PM	Oral Only	25			7	A		<input type="checkbox"/>	(id=679922) FAILURE OBSERVED AT CROSSOVER PIPING OF PYROLYSIS FURNACE AND PATH FORWARD . B. Prajapati and J. Cleavinger

- Theme for conference: **Inspection**
- Tom to load abstracts now and add placeholders for missing abstracts → all are uploaded
- Draft Papers latest by End January → Sponsors to follow up
- Final Papers to the SC latest by Feb 15<sup>th</sup>, 2024

## DRAFT

- Presentations March 11<sup>th</sup> → final approval in EPC meeting March 13<sup>th</sup>
- Attached excel file was updated



MR Session Topics  
(updated 2023-12-13)

### IV. Technical Discussion

- Surveys will be distributed by the lead person; participation is voluntary, and the results will be shared anonymous.
- **Spring Hangers support and adjustment history**
  - Suggested by Kevin Sprague, Handled by Carl Matherne
    - i. Kevin to contact Carl on status and/or send out survey – No update
  - Poll due in November and results to be discussed in December → Poll was not sent out
- **Furnace Refractory Inspection and Maintenance**
  - Suggested by Jimmy Cleavinger, Handled by **Henry Trahan**
  - Poll due in December and results to be discussed in January
    - i. What is everyone doing?
    - ii. Infrared external inspection?
    - iii. Refractory Inspection expertise in-house or third party
    - iv. What type of lining do you use and what is the expected life time
- **Burner Maintenance and Inspection Practices?**
  - Suggested by Robert Pritchett, Handled by **TBD (Keith Wade proposed)**
  - Poll due in January and results to be discussed in February
  - Potential vendor talk → Bob to check and come back with feedback

### V. Next Meetings

- In 2024 KnightHawk office with Lab tour possible
- Next meeting is on January 10<sup>th</sup>, 2023
- Next meeting is on February 14<sup>th</sup>, 2023
- Next meeting is on March 13<sup>th</sup>, 2023
- Important dates for the SC:
  - Draft Papers latest by End January
  - Final Papers to the SC latest by Feb 15<sup>th</sup>
  - Final Presentations March 11<sup>th</sup>
- Important dates from EPC Main Committee:
  - **Monday, December 11, 2023** Chairs Accept/Reject Abstracts & Order Sessions
  - Monday, January 8, 2024 Draft Program Available for Review
  - Friday, January 12, 2024 Comments from Chairs Due
  - Friday, January 12, 2024 All info in Confex for Invited Sessions & Keynotes
  - Wednesday, January 15, 2024 Final Program Posted
  - Sunday, March 10, 2024 Paper Submission Closes

**DRAFT**

- Sunday, March 24-28, 2024 2024 AIChE Spring Conference

VI. Meeting Adjourned @10:50 am CST