EPC Operations Committee Meeting Minutes

Time: 1:30 – 3:00 pm
Date: 3-11-21
Location: virtual
Attendance: David Dutschmann, Jenny Heinlein, Richard Rolke, Vik Balasubramanian, John Cahill, Marty Shelton, Miguel Maldanado, Bryan Thibodeaux, Dan Euhus, Ryan Chung, Carl Harry, Patty Summers

Agenda;
- Anti-Trust statement – Patty
- Update from main committee?
- Presentation and Paper status update
- Review of presentations in hand
- other conference details

Anti-Trust Statement:
"No activity of the Committee shall involve the exchange, collection or dissemination of information among competitors for the purpose of bringing about or attempting to bring about any understanding or agreement, written or oral, formal or informal, express or implied, among competitors with regard to costs, prices or pricing methods, terms or conditions of sale, distribution, production quotas or other limitations, on either the timing, or volume of production, or sales, or allocation of territories or customers."

Meeting Minutes:

Main Committee Update (Richard):
- AICHE is requesting all recordings to be uploaded by March 22nd
- The Chair guides and Speaker guides are sent out (and there is information for the speakers available on the web-site)

Update on EPC Operations Session Papers:
1. Crude Butadiene Recycle Experiment – Eastman (Marty is sponsoring): **PENDING** (expected by 3/21)
2. Steam Line Failure – Dow (Jenny/Richard sponsoring): **RECEIVED**
3. Combustion Air Preheating technology and associated energy savings (and CO2 reduction) – Technip (Miguel is sponsoring) : **PENDING**
4. Vertical Thermosyphon Reboiler Operation Troubleshooting – ExxonMobil (David is sponsoring) : **RECEIVED**
5. Furnace Modernization An Economical Way to Upgrade Your Existing Furnace to Improve Energy Performance and Reduce CO2 Emissions – SHELL: **RECEIVED**
6. How efficient is my charge gas compression? – Braskem (Patty is sponsoring): **RECEIVED**

For final two pending presentations, if we get them before the deadline (3/22), please try to take a look and provide feedback to the sponsor ASAP (reply directly to sponsor).

<u>Paper 82b Dow paper – Steam line failure</u>
Add an intro slide with paper number

Add in on slide 4 & 5 where the pipe split is.
Define the “SFF” in slide 9
Explain bottom photo on slide 6 & 7

Paper 99a ExxonMobil Thermosyphon Reboiler:
Small notes on bottom with disclaimer needs to be removed/modified.

Paper 99b Shell/Technip Furnace upgrade:
Remove “Draft” from slides
Larger bolder arrows on slide with images of burners slide 9
Slide 12, “Modernization furnace controls”
Slide 14 Spell out incl.
Slide 15 Spell out E2E, some bullets have periods some, don’t
16. Second bullet has extra space before “Application”
18. again periods not consistently used
20. modularization
Practice to be sure it can be delivered within the time limit. Also given the presenter is in Europe, confirm they will be present in the chat room during the presentation time.

Paper 99c Braskem Compression efficiency:
3. Correct spelling “matter”
4. Correct spelling: typically & knockout is one word
5. consider periods instead of semi colons
6. Correct spelling polytropic in first line of the bottom text block. Fix that first sentence. Should inconvenients be inconvenience? May need to be rewritten for clarity.
7. start with “Is it”(not it is), do should be to in the last sentence
9. first bullet needs modification; “this methodology allows identification of . . . “
10. clean up message in the text block
Conclusion slide – rework for clarity. Consider using bullets

Deadlines:
Recordings uploaded by March 22
Papers due to committee and uploaded by April 21

Our session is on Wednesday April 21. First session starts at 10:45am and second session after lunch at 1:15pm.

Request: Can they leave the chat open a few minutes after the paper ends? – Patty and/or Richard to follow up on this.

Action items:

- Sponsors to share feedback with presenters and remind them of deadlines as well as date and time of presentation (see below)
- Watch for remaining two presentations and provide rapid feedback when we receive them.

Next Meeting: April 8th; 2:00 PM TX time

Wednesday, April 21, 2021: 1:15 PM - 2:30 PM, vFairs Virtual Platform, The 33rd Ethylene Producers Conference
T4000 Ethylene Plant Operations II *[Oral #47339 contains 3 abstracts.]*

Chair: Patricia Summers, Zeochem, Louisville, KY

Co-Chair: Vikranth Balasubramanian, Linde Engineering North America, Houston, TX

25 minutes/paper (default duration)

Start Time	Preferred Format	Special Duration (min.)	Final Paper Number	Group	Order Within Group	Accept	Reject	Transfer All None	Entry
1:15 PM	Oral Preferred		**99a**		1	A		☐	(id=619010) Vertical Thermosyphon Reboiler Operation Troubleshooting . **C. Granade** and D. Dutschmann
1:40 PM	Oral Only		**99b**		2	A		☐	(id=619007) Furnace Modernization: An Economical Way to Upgrade Your Existing Furnace to Improve Energy Performance and Reduce CO2 Emissions . **P. Kers**, J. Goossens, and W. Voogdt
2:05 PM	Rapid Fire		**99c**		3	A		☐	(id=619071) How Efficient Is My Charge Gas Compression? . **E. Quadro** and J. Arnaldo Ribeiro

Wednesday, April 21, 2021: 10:45 AM - 12:00 PM, vFairs Virtual Platform, The 33rd Ethylene Producers Conference
T4000 Ethylene Plant Operations I *[Oral #45973 contains 3 abstracts.]*

Chair: Patricia Summers, Zeochem, Houston, TX

Co-Chair: Vikranth Balasubramanian, Linde

25 minutes/paper (default duration)

Start Time	Preferred Format	Special Duration (min.)	Final Paper Number	Group	Order Within Group	Accept	Reject	Transfer All None	Entry
10:45 AM	Oral Only	25	**82a**		1	A		☐	(id=619761) An Experiment to Assess Crude Butadiene Recycle Capabilities . **M. Anzaldua** and X. Wu
11:10 AM	Oral Preferred	25	**82b**		2	A		☐	(id=618961) *Steam Blow Line Split – Cause, Corrections, and Recommendations* . **R. Johnson**
11:35 AM	Oral Preferred	25	**82c**		3	A		☐	(id=618819) Energy Saving for Steam Cracking Furnaces By Combustion Air Preheating Technology . **F. Meng**, Y. Wang, M. Maldonado, J. Guillaume, **M. Shi**, S. Shao, X. Li, X. Song, and Y. Liu